L Number	Hits	Search Text	DB	Time stamp
-	566	(709/231).CCLS.	USPAT	2004/08/25 15:55
-	88	(725/148).CCLS.	USPAT	2004/08/25 15:45
-	1	("6,173317").PN.	USPAT	2004/08/25 10:23
-	13	6173317.URPN.	USPAT	2004/08/25 10:23
-	2	6173317.URPN. and (time near stamp)	USPAT	2004/08/25 10:23
-	253	mid-stream	USPAT; EPO; JPO; DERWENT; IBM_TDB	2004/08/30 09:49
-	33	mid-stream and (begin$4 and end$3) and (timestamp or (time adj stamp))	USPAT; EPO; JPO; DERWENT; IBM_TDB	2004/08/25 10:51
-	34	mid-stream and (begin$4 or start$3) and (finish$3 or end$3) and (timestamp or (time adj stamp))	USPAT; EPO; JPO; DERWENT; IBM_TDB	2004/08/25 11:16
-	1	mid-stream and (length near stream)	USPAT; EPO; JPO; DERWENT; IBM_TDB	2004/08/25 11:40
-	411	((709/231).CCLS.) and stream$3	USPAT	2004/08/25 13:25
-	319	((709/231).CCLS.) and stream$3 and (begin$5 or start$3) and (end$3 or finish$3)	USPAT	2004/08/25 13:30
-	13	MPEG-1 adj stream	USPAT; EPO; JPO; DERWENT; IBM_TDB	2004/08/25 13:49
-	13	MPEG-1 adj stream and time	USPAT; EPO; JPO; DERWENT; IBM_TDB	2004/08/25 13:50
-	2	identify$3 near2 length near stream$3	USPAT; EPO; JPO; DERWENT; IBM_TDB	2004/08/25 14:37
-	1	("6502139").PN.	USPAT	2004/08/25 14:34
-	19	("5421031" | "5532735" | "5604731" | "5606359" | "5610653" | "5640194" | "5694334" | "5701582" | "5751336" | "5752160" | "5793412" | "5815491" | "5845279" | "5850218" | "5884141" | "5899582" | "6018539" | "6115786" | "6122662").PN.	USPAT	2004/08/25 14:35
-	3	6502139.URPN.	USPAT	2004/08/25 14:40
-	603	(709/232).CCLS.	USPAT	2004/08/25 14:49
-	38	(725/101).CCLS.	USPAT	2004/08/25 15:45
-	566	(709/231).CCLS.	USPAT	2004/08/25 15:55
-	411	((709/231).CCLS.) and stream$3	USPAT	2004/08/25 15:55
-	115	63-bit	USPAT; EPO; JPO; DERWENT; IBM_TDB	2004/08/26 12:06
-	8	63-bit and play$3	USPAT; EPO; JPO; DERWENT; IBM_TDB	2004/08/25 16:42

C:\APPS\EAST\Workspaces\09716141_Monroe.wsp

-	3	63-bit near2 file	USPAT; EPO; JPO; DERWENT; IBM_TDB	2004/08/26 12:02
-	1274	(709/233,238).CCLS.	USPAT	2004/08/25 17:31
-	460	((709/233,238).CCLS.) and stream$5	USPAT	2004/08/25 17:32
-	1	("5793980").PN.	USPAT	2004/08/26 11:49
-	1	("20030061344").PN.	US-PGPUB	2004/08/26 12:02
-	9187	(arbitrar$9 or random$5) near9 (assign$3 or preset$3 or reset$3 or designat$3 or referenc$3) near9 (value or ID or number or identifier)	USPAT; EPO; JPO; DERWENT; IBM_TDB	2004/08/26 12:13
-	1410	(arbitrar$9 or random$5) near9 (assign$3 or preset$3 or reset$3 or designat$3 or referenc$3) near9 (value or ID or number or identifier) and stream$3	USPAT; EPO; JPO; DERWENT; IBM_TDB	2004/08/26 12:13
-	315709	((while or during) near9 (send$3 or transmission or transmit$5 or stream$3 or transfer$3 or forward$3))	USPAT; EPO; JPO; DERWENT; IBM_TDB	2004/08/26 12:38
-	518	((arbitrar$9 or random$5) near9 (assign$3 or preset$3 or reset$3 or designat$3 or referenc$3) near9 (value or ID or number or identifier) and stream$3) and (((while or during) near9 (send$3 or transmission or transmit$5 or stream$3 or transfer$3 or forward$3)))	USPAT; EPO; JPO; DERWENT; IBM_TDB	2004/08/26 12:38
-	92	((arbitrar$9 or random$5) near9 (assign$3 or preset$3 or reset$3 or designat$3 or referenc$3) near9 (value or ID or number or identifier) and stream$3) and (((while or during) near9 (send$3 or transmission or transmit$5 or stream$3 or transfer$3 or forward$3))) and (timestamp or (time adj stamp))	USPAT; EPO; JPO; DERWENT; IBM_TDB	2004/08/26 13:04
-	1	("4529839").PN.	USPAT	2004/08/26 13:05
-	467	colton.inv.	USPAT; EPO; JPO; DERWENT; IBM_TDB	2004/08/26 13:05
-	63	colton.inv. and (stream$3)	USPAT; EPO; JPO; DERWENT; IBM_TDB	2004/08/26 13:17
-	23	colton.inv. and (stream$3) and (video or audio or media or multimedia or multi-media)	USPAT; EPO; JPO; DERWENT; IBM_TDB	2004/08/26 13:19
-	740	arbitrar$3 adj assign$3 near2 (value or number or identifier or beginning or data)	USPAT; EPO; JPO; DERWENT; IBM_TDB	2004/08/26 15:58
-	18	arbitrar$3 adj assign$3 near2 (value or number or identifier or beginning or data) and ((video or audio or multimedia or digital or media) near2 stream$3)	USPAT; EPO; JPO; DERWENT; IBM_TDB	2004/08/26 13:21
-	29	arbitrar$3 adj assign$3 near2 (value or number or identifier or beginning or data) and ((during or while) near2 (transmission or sending or transmitting or fowarding))	USPAT; EPO; JPO; DERWENT; IBM_TDB	2004/08/26 13:24

-	26	(arbitrar$3 adj assign$3 near2 (value or number or identifier or beginning or data) and ((during or while) near2 (transmission or sending or transmitting or fowarding))) not (arbitrar$3 adj assign$3 near2 (value or number or identifier or beginning or data) and ((video or audio or multimedia or digital or media) near2 stream$3))	USPAT; EPO; JPO; DERWENT; IBM_TDB	2004/08/26 13:36
-	50	(725/98).CCLS.	USPAT	2004/08/26 13:37
-	116	(725/118).CCLS.	USPAT	2004/08/26 14:09
-	14	real-time adj streaming adj video	USPAT; EPO; JPO; DERWENT; IBM_TDB	2004/08/26 14:39
-	3821	(real-time or live) near2 (transmission or send$3 or forward$3)	USPAT; EPO; JPO; DERWENT; IBM_TDB	2004/08/26 14:43
-	1128	(real-time or live) near2 (transmission or send$3 or forward$3) and (arbitrar$3 or random$5)	USPAT; EPO; JPO; DERWENT; IBM_TDB	2004/08/26 14:46
-	614	(real-time or live) near2 (transmission or send$3 or forward$3) and (arbitrar$3 or random$5) and stream$3	USPAT; EPO; JPO; DERWENT; IBM_TDB	2004/08/26 14:46
-	551	(real-time or live) near2 (transmission or send$3 or forward$3) and (arbitrar$3 or random$5) and stream$3 and (beginning or end or start or finish)	USPAT; EPO; JPO; DERWENT; IBM_TDB	2004/08/26 14:47
-	16	(real-time or live) near2 (transmission or send$3 or forward$3) same (arbitrar$3 or random$5) and stream$3 and (beginning or end or start or finish)	USPAT; EPO; JPO; DERWENT; IBM_TDB	2004/08/26 15:12
-	19	("5530754" | "5586264" | "5793980" | "5805804" | "5815662" | "5933603" | "6061504" | "6101547" | "6243761" | "6292834" | "6324182" | "6377972" | "6385693" | "6405256" | "6415373" | "6427187" | "6438630" | "6438652" | "6570606" | "2002/0129123").PN.	USPAT	2004/08/26 14:48
-	905	(midstream or mid-stream or (mid adj stream))	USPAT; EPO; JPO; DERWENT; IBM_TDB	2004/08/26 15:13
-	78	(midstream or mid-stream or (mid adj stream)) same (broadcast$3 or transmi$9)	USPAT; EPO; JPO; DERWENT; IBM_TDB	2004/08/26 15:14
-	9	((midstream or mid-stream or (mid adj stream)) same (broadcast$3 or transmi$9)) and (timestamp or time-stamp or (time adj stamp))	USPAT; EPO; JPO; DERWENT; IBM_TDB	2004/08/26 15:30
-	5857	video adj stream	USPAT; EPO; JPO; DERWENT; IBM_TDB	2004/08/26 15:30
-	69	(video adj stream) near9 (beginning or end or starting or finish or commencing) same (assign$3 or designat$3 or preset$3 or reset$3)	USPAT; EPO; JPO; DERWENT; IBM_TDB	2004/08/26 15:32
-	68	(video adj stream) near9 (beginning or end or starting or finish or commencing) same (assign$3 or designat$3 or preset$3 or reset$3) and (id or value or number or identifier or mark or trace)	USPAT; EPO; JPO; DERWENT; IBM_TDB	2004/08/26 15:34

-	35	(video adj stream) near9 (beginning or end or starting or finish or commencing) same (assign$3 or designat$3 or preset$3 or reset$3) and (id or value or number or identifier or mark or trace) and (live or broadcast$3)	USPAT; EPO; JPO; DERWENT; IBM_TDB	2004/08/26 15:38
-	212	(dynamic$5 or automatic$5 or "on-the-fly" or "on the fly") near9 (alter$3 or chang$3 or modify$3 or replac$3 or insert$3) near9 (timeslot or (time adj slot) or time-slot or timestamp or time-stamp or (time adj stamp))	USPAT; EPO; JPO; DERWENT; IBM_TDB	2004/08/26 15:53
-	142	(dynamic$5 or automatic$5 or "on-the-fly" or "on the fly") near5 (alter$3 or chang$3 or modify$3 or replac$3 or insert$3) near5 (timeslot or (time adj slot) or time-slot or timestamp or time-stamp or (time adj stamp))	USPAT; EPO; JPO; DERWENT; IBM_TDB	2004/08/26 15:54
-	76	(dynamic$5 or automatic$5 or "on-the-fly" or "on the fly") near5 (alter$3 or chang$3 or modify$3 or replac$3 or insert$3) near5 (timeslot or (time adj slot) or time-slot or timestamp or time-stamp or (time adj stamp)) and stream$3	USPAT; EPO; JPO; DERWENT; IBM_TDB	2004/08/26 16:16
-	46	(dynamic$5 or automatic$5 or "on-the-fly" or "on the fly") near5 (alter$3 or chang$3 or modify$3 or replac$3 or insert$3) near5 (timeslot or (time adj slot) or time-slot or timestamp or time-stamp or (time adj stamp)) and stream$3 and (live or broadcast$3)	USPAT; EPO; JPO; DERWENT; IBM_TDB	2004/08/26 15:55
-	15	(("4529839") or ("6377930") or ("6748354") or ("6748440") or ("5991498") or ("5926205") or ("5872936") or ("4763357") or ("5793980") or ("6647425") or ("6449653") or ("6345293") or ("6216265") or ("6151634") or ("5790198")).PN.	USPAT	2004/08/26 16:01
-	14	((("4529839") or ("6377930") or ("6748354") or ("6748440") or ("5991498") or ("5926205") or ("5872936") or ("4763357") or ("5793980") or ("6647425") or ("6449653") or ("6345293") or ("6216265") or ("6151634") or ("5790198")).PN.) and stream$3	USPAT	2004/08/26 16:01
-	37	transmission adj ((live or (real-time)) adj video)	USPAT; EPO; JPO; DERWENT; IBM_TDB	2004/08/26 16:17
-	16	transmission adj ((live or (real-time)) adj video) and stream$3	USPAT; EPO; JPO; DERWENT; IBM_TDB	2004/08/26 16:21
-	8	arbitrar$3 adj assign$3 adj zero	USPAT; EPO; JPO; DERWENT; IBM_TDB	2004/08/26 16:22
-	189	assign$3 adj zero adj value	USPAT; EPO; JPO; DERWENT; IBM_TDB	2004/08/26 16:23
-	5	arbitrar$3 same assign$3 adj zero adj value	USPAT; EPO; JPO; DERWENT; IBM_TDB	2004/08/26 16:23
-	14	assign$5 adj (begin$5 and end$3)	USPAT; EPO; JPO; DERWENT; IBM_TDB	2004/08/30 10:14

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-	58	assign$5 adj (begin$5 or end$3) near (value or number or ID)	USPAT; EPO; JPO; DERWENT; IBM_TDB	2004/08/30 10:15
-	15	assign$5 adj (begin$5 or end$3) near (value or number or ID) and stream$3	USPAT; EPO; JPO; DERWENT; IBM_TDB	2004/08/30 10:18
-	34	(MS or microsoft) near2 player and platform	USPAT; EPO; JPO; DERWENT; IBM_TDB	2004/08/30 10:20
-	16	(MS or microsoft) adj media near2 player	USPAT; EPO; JPO; DERWENT; IBM_TDB	2004/08/30 10:21
-	1	(MS or microsoft) adj media near2 player and (file near length)	USPAT; EPO; JPO; DERWENT; IBM_TDB	2004/08/30 10:21
-	15	"63" same (file near length)	USPAT; EPO; JPO; DERWENT; IBM_TDB	2004/08/30 10:22
-	8	("63" near bit) and (file near length)	USPAT; EPO; JPO; DERWENT; IBM_TDB	2004/08/30 10:23

TO: Tam (Jenny) T. Phan
Location:
Art Unit : 2144
Monday, August 30, 2004

Case Serial Number: 09/716141

From: David Holloway
Location: EIC 2100
PK2-4B30
Phone: 308-7794

david.holloway@uspto.gov

Search Notes

Dear Examiner Phan,

Attached please find your search results for above-referenced case.
Please contact me if you have any questions or would like a re-focused search.

David

```
Set      Items   Description
S1        629    (STREAMS OR STREAMING? OR WEBCAST? OR STREAM OR STREAMED OR
                 WEB()(CAST OR CASTING) OR REALTIME? OR REAL()TIME OR CONTINU-
                 OUS? OR NONSTOP? OR NON()STOP)(2N)(VIDEO? OR MULTIMEDIA? OR M-
                 ULTI()MEDIA? OR MPG? OR MPEG?)
S2        101    MPEG1 OR MPG1 OR (MPEG OR MPG)()(ONE OR 1)
S3        391    ARBITRAR? OR RANDOM? OR PSEUDORANDOM? OR MIDSTREAM? OR MID-
                 ()STREAM?
S4          6    (END OR BEGIN? OR START?)(N)(CODE? OR SIGNAL? OR BIT OR FR-
                 AME?)
S5      16098    ASSIGN? OR INSERT? OR EMBED? OR INTEGRAT?
S6        288    MEDIAPLAYER? OR MEDIA()PLAYER? OR WINDOWS()MEDIA?
S7          0    (S1 OR S2) AND S4
File 256:TecInfoSource 82-2004/Jul
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Set      Items    Description
S1       26522    (STREAMS OR STREAMING? OR WEBCAST? OR STREAM OR STREAMED OR
                  WEB()(CAST OR CASTING) OR REALTIME? OR REAL()TIME OR CONTINU-
                  OUS? OR NONSTOP? OR NON()STOP)(2N)(VIDEO? OR MULTIMEDIA? OR M-
                  ULTI()MEDIA? OR MPG? OR MPEG?)
S2        2853    MPEG1 OR MPG1 OR (MPEG OR MPG)()(ONE OR 1)
S3     1581348    ARBITRAR? OR RANDOM? OR PSEUDORANDOM? OR MIDSTREAM? OR MID-
                  ()STREAM?
S4        3063    (END OR BEGIN? OR START?)(N)(CODE? OR SIGNAL? OR BIT OR FR-
                  AME?)
S5     3055961    ASSIGN? OR INSERT? OR EMBED? OR INTEGRAT?
S6        1356    MEDIAPLAYER? OR MEDIA()PLAYER? OR WINDOWS()MEDIA?
S7           0    (S1 OR S2) AND S3 AND S4 AND S5
S8           0    S3 AND S4 AND S5 AND S6
S9          40    (S1 OR S2) AND S4
S10         11    S9 AND (S3 OR S5 OR S6)
S11         28    RD S9 (unique items)
S12         12    S11 NOT PY>2000
S13          7    (S1 OR S2) AND S3(2N)(START? OR BEGIN? OR LAUNCH? OR END OR
                  ENDPOINT?)
S14         19    S12 OR S13
S15         17    RD (unique items)
S16         15    S15 NOT PY>2000
S17         15    S16 NOT PD>20001117
File    8:Ei Compendex(R) 1970-2004/Aug W4
           (c) 2004 Elsevier Eng.  Info. Inc.
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           (c)2004 Japan Science and Tech Corp(JST)
File  111:TGG Natl.Newspaper Index(SM) 1979-2004/Aug 30
           (c) 2004 The Gale Group
File  233:Internet & Personal Comp. Abs. 1981-2003/Sep
           (c) 2003 EBSCO Pub.
File    6:NTIS 1964-2004/Aug W4
           (c) 2004 NTIS, Intl Cpyrght All Rights Res
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File   34:SciSearch(R) Cited Ref Sci 1990-2004/Aug W4
           (c) 2004 Inst for Sci Info
File   62:SPIN(R) 1975-2004/Jul W1
           (c) 2004 American Institute of Physics
File   99:Wilson Appl. Sci & Tech Abs 1983-2004/Jul
           (c) 2004 The HW Wilson Co.
File   95:TEME-Technology & Management 1989-2004/Jun W1
           (c) 2004 FIZ TECHNIK
```

04758161   E.I. No: EIP96113415212
  Title: **Lessons learned on reliable transmission of** real - time   MPEG -2
streams **over ATM**
  Author: Basso, Andrea; Civanlar, Mehmet R.; Cash, Glenn L.
  Corporate Source: AT&T Bell Labs., Lausanne, Switz
  Conference Title: Digital Compression Technologies and Systems for Video
Communications
  Conference Location: Berlin, Ger   Conference Date: 19961007
  Sponsor: SPIE - Int Soc for Opt Engineering, Bellingham, WA USA
  E.I. Conference No.: 22748
  Source: Proceedings of SPIE - The International Society for Optical
Engineering v 2952 1996.. p 182-193
  Publication Year: 1996
  CODEN: PSISDG   ISBN: 0-8194-2356-4
  Language: English
  Document Type: CA; (Conference Article)   Treatment: X; (Experimental)
  Journal Announcement: 9709W2

  Abstract: This paper describes a system that has been designed and built
at AT&T Bell Labs for studying transmission of **real - time MPEG** -2
video over ATM networks for multi-cast applications. The set-up comprises
a hardware **real - time MPEG** -2 **video** , audio and system encoder, an ATM
network adaptation module for MPEG-2 transport over AAL-5, and ATM switch,
a software system decoder and a hardware elementary **stream** decoder. The
MPEG -2 transport **stream** has been characterized in terms of robustness to
errors. This preliminary study showed the higher importance of the
structural information of the stream (PES packet headers TS headers,
sequence, picture headers, etc.) with respect to the coded video data
(motion vectors, DCT coefficients, etc.). A brief study of the current
MPEG-2 hardware decoding architectures allowed us to better understand the
effects of bit-stream errors on the resulting video quality. In our
experiments, while the loss of some structural data such as picture **start
codes** led the hardware decoder to loose synchronization or to freeze, the
loss of video data only affected the image quality. Furthermore the
recovery times from a loss of synchronization were orders of magnitude
higher than the recovery from some video data loss. An error-resilient
real-time software transport stream decoder has been developed. In
multiplex-wide operations (i.e. operations on the entire transport stream)
it takes advantage of ring buffers and manages the timing information
appropriately. In **video - stream** specific operations it uses
resynchronization mechanisms at the picture level which exploit the
redundancy of the PES and transport stream syntax. Furthermore time data
transfers between the system decoder and the elementary stream decoder are
employed. Experiments show that proper use of these methods can
significantly improve the system performance. 7 Refs.

  Descriptors: Image coding; **Video** signal processing; **Real time**
systems; Asynchronous transfer mode; Standards; Television transmission;
Mathematical transformations; image quality; Synchronization
  Identifiers: MPEG-2 video; Motion vectors
  Classification Codes:
  716.4 (Television Systems & Equipment); 723.2 (Data Processing); 741.1
 (Light/Optics); 902.2 (Codes & Standards); 913.3 (Quality Assurance &
Control); 921.3 (Mathematical Transformations)
  716 (Radar, Radio & TV Electronic Equipment); 723 (Computer Software);
741 (Optics & Optical Devices); 902 (Engineering Graphics & Standards);
913 (Production Planning & Control); 921 (Applied Mathematics)
  71 (ELECTRONICS & COMMUNICATIONS); 72 (COMPUTERS & DATA PROCESSING); 74
 (OPTICAL TECHNOLOGY); 90 (GENERAL ENGINEERING); 91 (ENGINEERING
MANAGEMENT); 92 (ENGINEERING MATHEMATICS)

5034134   INSPEC Abstract Number: B9510-6140C-465, C9510-5260B-257
   Title: **Design and performance of a multi-** stream   MPEG **-I system layer
encoder/player set**
   Author(s): Boucher, J.A.; Yaar, Z.; Rubin, E.J.; Palmer, J.D.; Little,
T.D.C.
   Author Affiliation: Dept. of Electr. Comput. & Syst. Eng., Boston Univ.,
MA, USA
   Journal: Proceedings of the SPIE - The International Society for Optical
Engineering Conference Title: Proc. SPIE - Int. Soc. Opt. Eng. (USA)
vol.2417   p.435-46
   Publication Date: 1995 Country of Publication: USA
   CODEN: PSISDG ISSN: 0277-786X
   U.S. Copyright Clearance Center Code: 0 8194 1764 5/95/$6.00
   Conference Title: Multimedia Computing and Networking 1995
   Conference Sponsor: SPIE; Soc. Imaging Sci. & Technol
   Conference Date: 6-8 Feb. 1995   Conference Location: San Jose, CA, USA
   Language: English   Document Type: Conference Paper (PA); Journal Paper
(JP)
   Treatment: Practical (P)

   Abstract: Current   efforts   in   the   area   of MPEG-I audio/video
synchronization have been limited to single audio, single video
applications. The MPEG-I specification includes provisions for the
interleaving of up to 16 separate **video   streams** with up to 32 distinct
audio streams. This paper explores the possible uses of this capability as
well as the design of a robust encoder and playback system. Perceived
shortfalls within the specification are discussed including the usefulness
of time stamps and the lack of sequence start and **end   codes** within the
audio stream format. We also describe our implementation of a software-only
MPEG-I encoder/player set and describe its performance under various
configurations. (5 Refs)
   Subfile: B C
   Descriptors: data compression; encoding; synchronisation; video coding
   Identifiers: multistream MPEG-I system layer encoder/player set;
audio/video synchronization; **video   streams** ; robust encoder
   Class Codes: B6140C (Optical information, image and video signal
processing); B6120B (Codes); C5260B (Computer vision and image processing
techniques)

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Set     Items    Description
S1      15068    (STREAMS OR STREAMING? OR WEBCAST? OR STREAM OR STREAMED OR
                 WEB()(CAST OR CASTING) OR REALTIME? OR REAL()TIME OR CONTINU-
                 OUS? OR NONSTOP? OR NON()STOP)(2N)(VIDEO? OR MULTIMEDIA? OR M-
                 ULTI()MEDIA? OR MPG? OR MPEG?)
S2       2998    MPEG1 OR MPG1 OR (MPEG OR MPG)()(ONE OR 1)
S3     259120    ARBITRAR? OR RANDOM? OR PSEUDORANDOM? OR MIDSTREAM? OR MID-
                 ()STREAM?
S4      21034    (END OR BEGIN? OR START?)(N)(CODE? OR SIGNAL? OR BIT OR FR-
                 AME?)
S5     995633    ASSIGN? OR INSERT? OR EMBED? OR INTEGRAT?
S6       1618    MEDIAPLAYER? OR MEDIA()PLAYER? OR WINDOWS()MEDIA?
S7          0    (S1 OR S2)(10N)S3(10N)S4(10N)S5
S8          3    (S1 OR S2)(10N)S3(10N)S4
S9          0    S3(12N)S4(12N)S6
S10       160    (S1 OR S2)(10N)S4
S11        27    S10 AND IC=G06F?
S12      3912    S3(2N)(START OR STARTING OR STARTED OR STARTS OR BEGIN? OR
                 LAUNCH? OR END OR ENDS OR ENDING OR ENDPOINT?)
S13        10    (S1 OR S2)(10N)S12
S14         6    S2(10N)(SURVEIL? OR SECURIT?)
S15         2    S11 AND IC=G06F-015?
S16        43    S8 OR S11 OR S13 OR S14
S17        43    IDPAT (sorted in duplicate/non-duplicate order)
S18        42    IDPAT (primary/non-duplicate records only)
File 348:EUROPEAN PATENTS 1978-2004/Aug W03
         (c) 2004 European Patent Office
File 349:PCT FULLTEXT 1979-2002/UB=20040826,UT=20040819
         (c) 2004 WIPO/Univentio
```

18/3,K/2   (Item 2 from file: 348)
DIALOG(R)File 348:EUROPEAN PATENTS
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01435553
Digital broadcast recording/reproducing apparatus
Digitales Fernseh-Aufnahme/Wiedergabe-Gerat
Appareil d'enregistrement/de reproduction de distribution de television numerique
PATENT ASSIGNEE:
  Kabushiki Kaisha Toshiba, (213134), 1-1, Shibaura 1-chome, Minato-ku, Tokyo 105, (JP), (Applicant designated States: all)
INVENTOR:
  Nagata, Hiroyuki, c/o Toshiba Corporation, Intellectual Prop. Div., 1-1 Shibaura 1-chome, Minato-ku, Tokyo, (JP)
  Sakamoto, Noriya, c/o Toshiba Corporation, Intellectual Prop. Div., 1-1 Shibaura 1-chome, Minato-ku, Tokyo, (JP)
  Yamada, Masahiro, c/o Toshiba Corporation, Intellectual Prop. Div., 1-1 Shibaura 1-chome, Minato-ku, Tokyo, (JP)
LEGAL REPRESENTATIVE:
  Henkel, Feiler & Hanzel (100401), Mohlstrasse 37, 81675 Munchen, (DE)
PATENT (CC, No, Kind, Date):   EP 1217845   A2   020626 (Basic)
                                EP 1217845   A3   040804
APPLICATION (CC, No, Date):   EP 2001130315 011219;
PRIORITY (CC, No, Date): JP 2000384742 001219
DESIGNATED STATES: AT; BE; CH; CY; DE; DK; ES; FI; FR; GB; GR; IE; IT; LI; LU; MC; NL; PT; SE; TR
EXTENDED DESIGNATED STATES: AL; LT; LV; MK; RO; SI
INTERNATIONAL PATENT CLASS: H04N-009/804
ABSTRACT WORD COUNT: 191
NOTE:
  Figure number on first page: NONE

LANGUAGE (Publication,Procedural,Application): English; English; English
FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	200226	971
SPEC A	(English)	200226	7012
Total word count - document A			7983
Total word count - document B			0
Total word count - documents A + B			7983

...SPECIFICATION at least one of a Payload Unit Start Indicator contained in the TS and a **Random** Access Indicator contained in an Adaptation Field, or at least one of a Sequence Header Code, a Group **Start** **Code** and a Picture **Start** **Code** contained in the **video** **stream** for detecting the prescribed reproduction unit of the video signal.
  Moreover, in the digital broadcast...Moreover, what is necessary is to detect Payload Unit Start Indicator in a TS header, **Random** Access Indicator in an adaptation field, or either one of Sequence Header Code, Group **Start** **Code** and Picture **Start** **Code** in a **video** data **stream**, in order to detect a picture head portion at the time of recording operation.
  Fig...

...CLAIMS at least one of a Payload Unit Start Indicator contained in the TS and a **Random** Access Indicator contained in an Adaptation Field, or at least one of a Sequence Header Code, a Group **Start** **Code** and a Picture **Start** **Code** contained in the **video** **stream** for detecting the prescribed reproduction unit of the video signal.
9. A digital broadcast recording...

DIALOG(R)File 348:EUROPEAN PATENTS
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01372310
Resource allocating and service providing over a wireless network
Ressourcenzuweisung und Dienstbereitstellung in einem drahtlosen Netzwerk
Allocation de ressources et fourniture de services dans un reseau sans fil
PATENT ASSIGNEE:
   Nokia Corporation, (2963881), Keilalahdentie 4, 02150 Espoo, (FI),
      (Applicant designated States: all)
INVENTOR:
   Siren, Ritva, Korppaantie 6 B, 00300 Helsinki, (FI)
LEGAL REPRESENTATIVE:
   Brax, Matti Juhani (85201), Berggren Oy Ab, P.O. Box 16, 00101 Helsinki,
      (FI)
PATENT (CC, No, Kind, Date): EP 1168880 A2 020102 (Basic)
                              EP 1168880 A3 021204
APPLICATION (CC, No, Date):   EP 2001660079 010430;
PRIORITY (CC, No, Date): FI 201574 000630
DESIGNATED STATES: DE; FR; GB; NL
EXTENDED DESIGNATED STATES: AL; LT; LV; MK; RO; SI
INTERNATIONAL PATENT CLASS: H04Q-007/38; H04Q-007/22
ABSTRACT WORD COUNT: 103
NOTE:
   Figure number on first page: 2

LANGUAGE (Publication,Procedural,Application): English; English; English
FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	200201	981
SPEC A	(English)	200201	5629
Total word count - document A			6610
Total word count - document B			0
Total word count - documents A + B			6610

...SPECIFICATION of such a service is file download, if the download
   protocol allows the download to **begin** at an **arbitrary** position of the
   file. Another example is **real - time   video** wherein the subscriber
   wants to see what is happening now, instead of requesting transmission
   from...

DIALOG(R)File 348:EUROPEAN PATENTS

01262967
METHOD OF DETERMINING ACCESS POSITION ON RECORDING MEDIUM AND METHOD OF MANAGING RECORDING MEDIUM
METHODE ZUR BESTIMMUNG DER ZUGRIFFSPOSITION AUF EIN AUFNAHMEMEDIUMUND METHODE ZUR VERWALTUNG EINES AUFNBAHMEMEDIUMS
PROCEDE DE DETERMINATION DE POSITION D'ACCES SUR UN SUPPORT D'ENREGISTREMENT ET PROCEDE DE GESTION DU SUPPORT D'ENREGISTREMENT
PATENT ASSIGNEE:
  Sharp Kabushiki Kaisha, (260715), 22-22, Nagaike-cho, Abeno-ku,
    Osaka-shi, Osaka 545-8522, (JP), (Applicant designated States: all)
INVENTOR:
  IWANO, Yuri, 2-24-7-A217, Honda-cho, Midori-ku, Chiba-shi, Chiba 266-0005
    , (JP)
LEGAL REPRESENTATIVE:
  Brown, Kenneth Richard et al (28831), R.G.C. Jenkins & Co. 26 Caxton
    Street, London SW1H 0RJ, (GB)
  PATENT (CC, No, Kind, Date): EP 1206135 A1 020515 (Basic)
                             WO 200110119 010208
APPLICATION (CC, No, Date): EP 2000948324 000728; WO 2000JP5116 000728
PRIORITY (CC, No, Date): JP 99214980 990729
DESIGNATED STATES: DE; ES; FR; GB
EXTENDED DESIGNATED STATES: AL; LT; LV; MK; RO; SI
INTERNATIONAL PATENT CLASS: H04N-005/85
ABSTRACT WORD COUNT: 152
NOTE:
  Figure number on first page: 001

LANGUAGE (Publication,Procedural,Application): English; English; Japanese
FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	200220	2503
SPEC A	(English)	200220	32266
Total word count - document A			34769
Total word count - document B			0
Total word count - documents A + B			34769

...SPECIFICATION will be reproduced in synchronization with the video data.

  When using a disk with an **MPEG** **stream** recorded thereon and playback
from an **arbitrary** frame is **started** or a special playback such as
reproducing arbitrarily selected frames is implemented, it is impossible
...with the sequential order of EUs in the EUS.
  When using a disk with an **MPEG** **stream** recorded thereon playback
from an **arbitrary** frame is **started** or a special playback such as
reproducing arbitrarily selected frames is implemented, it is impossible
...

00991424
Start   code **detecting apparatus for** video **data** stream
Vorrichtung zur Startkodedetektierung fur Videodatenstrom
Appareil de detection de code de depart pour le flux de donnees video
PATENT ASSIGNEE:
  Discovision Associates, (260275), 2355 Main Street, Suite 200, Irvine, CA
    92614, (US), (Applicant designated States: all)
INVENTOR:
  Wise, Adrian Philip, 10 Westbourne Cottages, Frenchay, Bristol BS16 1NA,
    (GB)
  Sotheran, Martin William, The Ridings, WickLane Stinchcombe, Dursley,
    Gloucestershire GL11 6BD, (GB)
  Robbins, William Philip, 19 Springhill, Cam, Gloucestershire GL11 5PE,
    (GB)
  Finch, Helen Rosemary, Tyley, Coombe, Wotton-under-edge, Gloucester GL12
    7ND, (GB)
  Boyd, Kevin James, 21 Lancashire Road, Bristol, BS7 9DL, (GB)
LEGAL REPRESENTATIVE:
  Vuillermoz, Bruno et al (72791), Cabinet Laurent & Charras B.P. 32 20,
    rue Louis Chirpaz, 69131 Ecully Cedex, (FR)
PATENT (CC, No, Kind, Date):   EP 896477 A2 990210 (Basic)
                               EP 896477 A3 990922
APPLICATION (CC, No, Date):   EP 98202175 950228;
PRIORITY (CC, No, Date): GB 9405914 940324
DESIGNATED STATES: AT; BE; CH; DE; FR; GB; IE; IT; LI; NL
RELATED PARENT NUMBER(S) - PN (AN):
  EP 674443 (EP 95301301)
INTERNATIONAL PATENT CLASS: H04N-007/24; **G06F-013/00** ; **G06F-009/38**
ABSTRACT WORD COUNT: 95
NOTE:
  Figure number on first page: 61

LANGUAGE (Publication,Procedural,Application): English; English; English
FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	9906	578
SPEC A	(English)	9906	126716
Total word count - document A			127294
Total word count - document B			0
Total word count - documents A + B			127294

 Start   code **detecting apparatus for** video **data** stream
...INTERNATIONAL PATENT CLASS: **G06F-013/00** ...
... **G06F-009/38**

...SPECIFICATION machine for handling a plurality of separately encoded bit
  streams arranged as a serial bit **stream** of digital bits and having
  separately encoded pairs of **start   codes** and data carried in the
  serial bit stream, a Start Code Detector subsystem having first...1 Start
  codes
    As is well known in the art, MPEG and H.261 coded **video   streams**
  contain identifiable bit patterns called **start   codes** . A similar
  function is served in JPEG by marker codes. Start/marker codes identify
  significant...value between 0 and 7.
    The bit count is approximate, as some elements of the **video   stream**
  will already have been Tokenized (e.g., the **start   codes**) and,
  therefore includes non-data Tokens.

  A.12.10 Counter flushed too early
    If a...

01135018   **Image available**
VIDEO VIEWING SYSTEM AND METHOD
SYSTEME ET PROCEDE DE VISUALISATION VIDEO
Patent Applicant/Assignee:
  KONINKLIJKE PHILIPS ELECTRONICS N V, Groenewoudseweg 1, NL-5621 BA
    Eindhoven, NL, NL (Residence), NL (Nationality), (For all designated
    states except: US)
Patent Applicant/Inventor:
  KANG I-Chih, c/o Prof . Holstlaan 6, NL-5656 AA Eindhoven, NL, NL
    (Residence), NL (Nationality), (Designated only for: US)
  SNIJDER Freddy, c/o Prof . Holstlaan 6, NL-5656 AA Eindhoven, NL, NL
    (Residence), NL (Nationality), (Designated only for: US)
  DE LANGE Alphonsus A J, c/o Prof . Holstlaan 6, NL-5656 AA Eindhoven, NL,
    NL (Residence), NL (Nationality), (Designated only for: US)
Legal Representative:
  GROENENDAAL Antonius W M (agent), Philips Intellectual Property &
    Standards, Prof. Holstlaan 6, NL-5656 AA Eindhoven, NL,
Patent and Priority Information (Country, Number, Date):
  Patent: WO 200457867 A1 20040708 (WO 0457867)
  Application: WO 2003IB5463 20031121 (PCT/WO IB03005463)
  Priority Application: EP 200280375 20021219
Designated States:
(Protection type is "patent" unless otherwise stated - for applications
prior to 2004)
  AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DE DK DM DZ
  EC EE EG ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK
  LR LS LT LU LV MA MD MG MK MN MW MX MZ NI NO NZ OM PG PH PL PT RO RU SC
  SD SE SG SK SL SY TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZM ZW
  (EP) AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LU MC NL PT RO SE
  SI SK TR
  (OA) BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG
  (AP) BW GH GM KE LS MW MZ SD SL SZ TZ UG ZM ZW
  (EA) AM AZ BY KG KZ MD RU TJ TM
Publication Language: English
Filing Language: English
Fulltext Word Count: 4956

Fulltext Availability:
  Detailed Description

Detailed Description
... fill the various pipe-lines in the system and to restart the decoding
  process, often **starting** from an **arbitrary** point of time in the
  incoming **video stream** which does not permit decoding to start
  immediately.

  An alternative is to realize video mode...

DIALOG(R)File 349:PCT FULLTEXT
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01009105   **Image available**
REMOTE SURVEILLANCE SYSTEM
SYSTEME DE SURVEILLANCE A DISTANCE
Patent Applicant/Assignee:
  A4S TECHNOLOGIES INC, 3973 MT Highway 35, Kalispell, MT 59901, US, US
    (Residence), US (Nationality)
Inventor(s):
  SIEMENS Michael G, 574 Yoeman Hall, Kalispell, MT 59901, US,
  SITKINS Daniel F, 275 N. Many Lakes Drive, Kalispell, MT 59901, US,
  KIERSTEAD Peter E, 2981 Browns Meadow, Kalispell, MT 59901, US,
Legal Representative:
  FOREST Carl A (et al) (agent), Patton Boggs LLP, P. O. Box 270930,
    Louisville, CO 80027-5015, US,
Patent and Priority Information (Country, Number, Date):
  Patent: WO 200339144 A2-A3 20030508 (WO 0339144)
  Application: WO 2002US35170 20021101 (PCT/WO US0235170)
  Priority Application: US 2001335926 20011101; US 2002415905 20021003
Designated States:
(Protection type is "patent" unless otherwise stated - for applications
prior to 2004)
  AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DE DK DM DZ
  EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR
  LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ OM PH PL PT RO RU SD SE SG SI
  SK SL TJ TM TN TR TT TZ UA UG UZ VC VN YU ZA ZM ZW
  (EP) AT BE BG CH CY CZ DE DK EE ES FI FR GB GR IE IT LU MC NL PT SE SK TR
  (OA) BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG
  (AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZM ZW
  (EA) AM AZ BY KG KZ MD RU TJ TM
Publication Language: English
Filing Language: English
Fulltext Word Count: 11462

Fulltext Availability:
  Claims

French Abstract
  ...l'usage judiciaire. Quatre videos peuvent etre synchronisees trame par
  trame a des fins de **surveillance** simultanee. Un flux **MPEG - 1** est
  envoye en temps reel par un dispositif sans fil a destination du QG. Une
  ...

Claim
... An audio/visual surveillance system as in claim 3 wherein said
  compression system is an **MPEG - 1** compression system.

  6 An audio/visual **surveillance** system as in claim I wherein said system
  further comprises a first audio source producing...

DIALOG(R)File 349:PCT FULLTEXT

00817129   **Image available**
SERVICE TRANSMISSION IN A PACKET DATA NETWORK
TRANSMISSION DE SERVICE DANS UN RESEAU DE DONNEES PAR PAQUETS
Patent Applicant/Assignee:
   NOKIA OYJ, Keilalahdentie 4, FIN-02150 Espoo, FI, FI (Residence), FI
      (Nationality), (For all designated states except: US)
Patent Applicant/Inventor:
   PAILA Toni, Everstinkuja 1 C 66, FIN-02600 Espoo, FI, FI (Residence), FI
      (Nationality), (Designated only for: US)
   RISSANEN Kari, Sunankalliontie 94, FIN-02760 Espoo, FI, FI (Residence),
      FI (Nationality), (Designated only for: US)
Legal Representative:
   KOLSTER OY AB (agent), Iso Roobertinkatu 23, P.O. Box 148, FIN-00121
      Helsinki, FI,
Patent and Priority Information (Country, Number, Date):
   Patent: WO 200150689 A1 20010712 (WO 0150689)
   Application: WO 2000FI1165 20001229 (PCT/WO FI0001165)
   Priority Application: FI 992851 19991231
Designated States:
(Protection type is "patent" unless otherwise stated - for applications
prior to 2004)
   AE AG AL AM AT AT (utility model) AU AZ BA BB BG BR BY BZ CA CH CN CR CU
   CZ CZ (utility model) DE DE (utility model) DK DK (utility model) DM DZ
   EE EE (utility model) ES FI FI (utility model) GB GD GE GH GM HR HU ID IL
   IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO
   NZ PL PT RO RU SD SE SG SI SK SK (utility model) SL TJ TM TR TT TZ UA UG
   US UZ VN YU ZA ZW
   (EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR
   (OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG
   (AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW
   (EA) AM AZ BY KG KZ MD RU TJ TM
Publication Language: English
Filing Language: English
Fulltext Word Count: 3158

Fulltext Availability:
   Detailed Description

Detailed Description
... of such a service is file download, if the download protocol allows
   the download to **begin** at an **arbitrary** position of the file. Another
   example is **real - time video** wherein the subscriber wants to see what
   is happening now, instead of requesting transmis
   sion...

00381458
METHOD AND SYSTEM FOR TRANSMITTING REAL-TIME VIDEO
PROCEDE ET SYSTEME DE TRANSMISSION ET/OU DE RECUPERATION D'INFORMATION
   AUDIO ET VIDEO EN TEMPS REEL PAR DES SYSTEMES DE TRANSMISSION LIMITES
   EN PERFORMANCE
Patent Applicant/Assignee:
  THE BOARD OF TRUSTEES OF THE UNIVERSITY OF ILLINOIS,
  CAMPBELL Roy H,
  TAN See-Mong,
  XIE Dong,
  CHEN Zhigang,
Inventor(s):
  CAMPBELL Roy H,
  TAN See-Mong,
  XIE Dong,
  CHEN Zhigang,
Patent and Priority Information (Country, Number, Date):
  Patent: WO 9722201 A2 19970619
  Application: WO 96US19226 19961212 (PCT/WO US9619226)
  Priority Application: US 958531 19951212
Designated States:
(Protection type is "patent" unless otherwise stated - for applications
prior to 2004)
  CN JP KR RU US AT BE CH DE DK ES FI FR GB GR IE IT LU MC NL PT SE
Publication Language: English
Fulltext Word Count: 13228

Main International Patent Class: **G06F-005/06**
Fulltext Availability:
  Detailed Description

Detailed Description
... to embed hyperlinks into video streams. The specification of a
  hyperlink for a object within **video streams** includes several
  parameters@
  1 - The **start frame** where the object appears and the object's
  position.

  2. The end frame where the...

```
Set     Items   Description
S1       7530   (STREAMS OR STREAMING? OR WEBCAST? OR STREAM OR STREAMED OR
                   WEB()(CAST OR CASTING) OR REALTIME? OR REAL()TIME OR CONTINU-
                   OUS? OR NONSTOP? OR NON()STOP)(2N)(VIDEO? OR MULTIMEDIA? OR M-
                   ULTI()MEDIA? OR MPG? OR MPEG?)
S2        578   MPEG1 OR MPG1 OR (MPEG OR MPG)()(ONE OR 1)
S3     231122   ARBITRAR? OR RANDOM? OR PSEUDORANDOM? OR MIDSTREAM? OR MID-
                   ()STREAM?
S4      31589   (END OR BEGIN? OR START?)(N)(CODE? OR SIGNAL? OR BIT OR FR-
                   AME?)
S5    1801747   ASSIGN? OR INSERT? OR EMBED? OR INTEGRAT?
S6        412   MEDIAPLAYER? OR MEDIA()PLAYER? OR WINDOWS()MEDIA?
S7          1   (S2 OR S1) AND S3 AND S4 AND S5
S8          3   (S1 OR S2) AND S3 AND S4
S9          0   S3 AND S4 AND S6
S10         0   S4 AND S5 AND S6
S11         0   S6 AND S4
S12       107   (S1 OR S2) AND S4
S13         1   S12 AND IC=G06F-015?
S14        10   S12 AND IC=G06F?
S15      1418   S3(2N)(START? OR BEGIN? OR LAUNCH? OR END OR ENDS OR ENDIN-
                   G)
S16         3   (S1 OR S2) AND S15
S17        15   S7 OR S8 OR S13 OR S14 OR S16
S18        15   IDPAT (sorted in duplicate/non-duplicate order)
S19        14   IDPAT (primary/non-duplicate records only)
S20        20   S2 AND (SURVEILLANCE? OR SECURIT?)
S21         4   S20 AND IC=G06F?
S22        18   S21 OR S19
S23        18   IDPAT (sorted in duplicate/non-duplicate order)
S24        18   IDPAT (primary/non-duplicate records only)
File 347:JAPIO Nov 1976-2004/Apr(Updated 040802)
         (c) 2004 JPO & JAPIO
File 350:Derwent WPIX 1963-2004/UD,UM &UP=200455
         (c) 2004  Thomson Derwent
```

015940255   **Image available**
WPI Acc No: 2004-098096/200410
XRPX Acc No: N04-078190
   **Computer based priority progress multi cast streaming system for
   multimedia distribution, regulates transmission of packets according to
   time stamp based priority and stores packets based on bandwidth
   availability**
Patent Assignee: KRASIC C C (KRAS-I); WALPOLE J (WALP-I)
Inventor: KRASIC C C; WALPOLE J
Number of Countries: 001 Number of Patents: 001
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
US 20030236904	A1	20031225	US 2002177864	A	20020619	200410	B

Priority Applications (No Type Date): US 2002177864 A 20020619
Patent Details:

Patent No	Kind Lan	Pg	Main IPC	Filing Notes
US 20030236904	A1	31	G06F-015/16	

Abstract (Basic): US 20030236904 A1
      NOVELTY - A stream of media packets containing the time stamps and
   multimedia presentations is transmitted to the clients through a server
   side pipeline. The packet transmission is regulated based on the
   priority defined by the time sequences of other packets. The packets
   are stored at respective transmission nodes based on the transmission
   bandwidth availability. The packets are ordered in real time basis
   according to the time stamps at client side pipelines.
      USE - For priority based multi cast streaming of multimedia like
   audio and video over heterogeneous computer networks like internet for
   TV broadcasting, video on demand and **surveillance** services.
      ADVANTAGE - Allows simultaneous distribution of packets from single
   source to arbitrary clients having varying levels of connectivity.
   Enables controlling the traffic congestion reliably without any risk of
   congestion collapse due to effective use of protocols.
      DESCRIPTION OF DRAWING(S) - The figure shows a block diagram of
   priority control mechanism.
      priority control mechanism (180)
      buffer (182)
      adaptation buffer (184)
      regulator (188)
      pp; 31 DwgNo 4/20
Title Terms: COMPUTER; BASED; PRIORITY; PROGRESS; MULTI; CAST; STREAM;
   SYSTEM; DISTRIBUTE; REGULATE; TRANSMISSION; PACKET; ACCORD; TIME; STAMP;
   BASED; PRIORITY; STORAGE; PACKET; BASED; BANDWIDTH; AVAILABLE
Derwent Class: T01; W01; W04
International Patent Class (Main): **G06F-015/16**
File Segment: EPI

014486576   **Image available**
WPI Acc No: 2002-307279/200235
XRPX Acc No: N02-240203
   Video structure editor selects dividing point of each segment composed of
   several frames and displays start and end **frames of each segment,**
   based on which structure information of video   stream **is changed**
Patent Assignee: JISEDAI JOHO HOSO SYSTEM KENYUJO KK (JISE-N); RICOH KK
   (RICO)
Number of Countries: 001 Number of Patents: 002
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
JP 2001223944	A	20010817	JP 200032458	A	20000209	200235	B
JP 3515939	B2	20040405	JP 200032458	A	20000209	200424	

Priority Applications (No Type Date): JP 200032458 A 20000209
Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
JP 2001223944	A		23	H04N-005/262	
JP 3515939	B2		21	H04N-005/262	Previous Publ. patent JP 2001223944

Abstract (Basic): JP 2001223944 A
      NOVELTY - The hierarchical structure of a **video   stream** is
   displayed using structure information, from which frames in a range,
   which are to be reproduced, are selected. The continuous frames of
   preset number are displayed in single tier. A selector selects dividing
   point of a segment composed of several frames. The start and **end**
   frames of each segment are displayed, based on which the structure
   information is changed.
      DETAILED DESCRIPTION - An INDEPENDENT CLAIM is also included for
   recording medium stored with video structure editing program.
      USE - Video structure editor.
      ADVANTAGE - The structure of **video   stream** is reorganized
   effectively by manual operation.
      DESCRIPTION OF DRAWING(S) - The figure shows the continuous frame
   display window.
      pp; 23 DwgNo 9/18
Title Terms: VIDEO; STRUCTURE; EDIT; SELECT; DIVIDE; POINT; SEGMENT;
   COMPOSE; FRAME; DISPLAY; START; END; FRAME; SEGMENT; BASED; STRUCTURE;
   INFORMATION; VIDEO; STREAM; CHANGE
Derwent Class: T01; W04
International Patent Class (Main): H04N-005/262
International Patent Class (Additional): **G06F-017/30** ; H04N-005/76
File Segment: EPI

DIALOG(R)File 350:Derwent WPIX
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014320958   **Image available**
WPI Acc No: 2002-141660/200219
XRPX Acc No: N02-107132
   **Computer assembly code generating apparatus for image processing routine,
   has translator which outputs processor specific code for processing
   multimedia input data based on received abstract representation**
Patent Assignee: STMICROELECTRONICS INC (SGSA); LABISENT IP INC (LABI-N);
   SGS THOMSON MICROELTRN INC (SGSA)
Inventor: SIGMUND U
Number of Countries: 027 Number of Patents: 002
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
EP 1172727	A2	20020116	EP 2001305958	A	20010710	200219	B
JP 2002132513	A	20020510	JP 2001212263	A	20010712	200246	

Priority Applications (No Type Date): US 2000614635 A 20000712
Patent Details:

Patent No	Kind Lan Pg	Main IPC	Filing Notes
EP 1172727	A2 E 29	G06F-009/45	

   Designated States (Regional): AL AT BE CH CY DE DK ES FI FR GB GR IE IT
   LI LT LU LV MC MK NL PT RO SE SI TR
JP 2002132513 A   27 G06F-009/45

Abstract (Basic): EP 1172727 A2
      NOVELTY - The **startup code** (11) of an application program (13)
   outputs a corresponding generic abstract representation on reception of
   data **stream** including **multimedia** routine. A translator (17)
   receives the abstract representation and outputs processor specific
   code for processing multimedia input data.
      DETAILED DESCRIPTION - An INDEPENDENT CLAIM is also included for
   assembly code generating method.
      USE - For generating processor instruction sequences for image
   processing routines using multimedia enhanced instructions.
      ADVANTAGE - The translation is executed during program startup,
   without causing a significant delay.
      DESCRIPTION OF DRAWING(S) - The figure shows the block diagram of
   computer system used for translating multimedia routine.
         Startup   code (11)
      Application program (13)
      Translator (17)
      pp; 29 DwgNo 1/1
Title Terms: COMPUTER; ASSEMBLE; CODE; GENERATE; APPARATUS; IMAGE; PROCESS;
   ROUTINE; TRANSLATION; OUTPUT; PROCESSOR; SPECIFIC; CODE; PROCESS; INPUT;
   DATA; BASED; RECEIVE; ABSTRACT; REPRESENT
Derwent Class: T01
International Patent Class (Main): **G06F-009/45**
International Patent Class (Additional): **G06F-009/44** ; G06T-001/20;
   H04N-007/32
File Segment: EPI

DIALOG(R)File 350:Derwent WPIX
(c) 2004 Thomson Derwent. All rts. reserv.

013815242   **Image available**
WPI Acc No: 2001-299454/200131
XRPX Acc No: N01-214763
   **Moving picture experts group data stream processing method in computer
   system, involves using memory reference objects instead of memory copies,
   and minimizing memory copying, allocation and deallocation of objects**
Patent Assignee: RAVISENT TECHNOLOGIES INC (RAVI-N); STMICROELECTRONICS INC
   (SGSA)
Inventor: LANGER R; SIGMUND U; WOLFF R M
Number of Countries: 087 Number of Patents: 010
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
WO 200064186	A2	20001026	WO 2000US8771	A	20000331	200131	B
AU 200041897	A	20001102	AU 200041897	A	20000331	200131	
GB 2363279	A	20011212	WO 2000US8771	A	20000331	200205	
			GB 200123396	A	20010928		
EP 1166566	A2	20020102	EP 2000921604	A	20000331	200209	
			WO 2000US8771	A	20000331		
US 6366970	B1	20020402	US 99283947	A	19990401	200226	
US 6373898	B1	20020416	US 99287535	A	19990406	200232	
JP 2002542549	W	20021210	JP 2000613199	A	20000331	200301	
			WO 2000US8771	A	20000331		
EP 1276331	A2	20030115	EP 2000921604	A	20000331	200306	
			EP 20026387	A	20000331		
US 6567557	B1	20030520	US 99467552	A	19991210	200336	
GB 2363279	B	20031022	WO 2000US8771	A	20000331	200373	
			GB 200123396	A	20010928		

Priority Applications (No Type Date): US 99467552 A 19991210; US 99283947 A
   19990401; US 99287535 A 19990406; US 99342527 A 19990629
Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
WO 200064186	A2	E	122	H04N-007/26	

   Designated States (National): AL AM AT AU AZ BA BB BG BR BY CA CH CN CU
   CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC
   LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL
   TJ TM TR TT UA UG UZ VN YU ZA ZW
   Designated States (Regional): AT BE CH CY DE DK EA ES FI FR GB GH GM GR
   IE IT KE LS LU MC MW NL OA PT SD SE SL SZ TZ UG ZW

AU 200041897	A			H04N-007/26	Based on patent WO 200064186
GB 2363279	A			H04N-007/62	Based on patent WO 200064186
EP 1166566	A2	E		H04N-007/26	Based on patent WO 200064186

   Designated States (Regional): AT BE CH CY DE DK ES FI FR GB GR IE IT LI
   LU MC NL PT SE

US 6366970	B1			G06F-013/14	
US 6373898	B1			H04N-007/12	
JP 2002542549	W		140	G06F-009/46	Based on patent WO 200064186
EP 1276331	A2	E		H04N-007/36	Div ex application EP 2000921604
					Div ex patent EP 1166566

   Designated States (Regional): AT BE CH CY DE DK ES FI FR GB GR IE IT LI
   LU MC NL PT SE

US 6567557	B1			G06K-009/36	
GB 2363279	B			H04N-007/62	Based on patent WO 200064186

Abstract (Basic): WO 200064186 A2
       NOVELTY - The data processing method involves using memory
   reference objects instead of memory copies, whenever possible, and
   queues with lists of references to data blocks. The memory copying,
   allocation and deallocation of objects are minimized.
       DETAILED DESCRIPTION - A data block object is generated, that
   references address of input data, on address where the output data are
   post processed, and the status of input and output memory references.
   Idle, input, limbo and output queues are used to refer data blocks. The
   idle queue stores a cache of currently unused data block objects to

facilitate recycling of objects and to minimize allocation and deallocation of data block objects. The input queue stores incoming data blocks, until each block is processed. The limbo queue stores the localized streams larger than a single data block to be stored for further global processing prior to being placed in the output queue. The output queue stores the processed resultant data blocks. INDEPENDENT CLAIMS are also included for the following:

(a) **MPEG2** data **stream** decompression apparatus;
(b) **start** **code** scanning method of data stream;
(c) **start** **codes** locating method in data stream;
(d) **start** **code** scanner;
(e) **start** **codes** locating apparatus;
(f) **MPEG2** data **stream** decoding method;
(g) MPEG2 system;
(h) **MPEG2** data **stream** decompressing method;
(i) **MPEG2** data **stream** decoder

USE - For decompression of high speed moving picture experts group 2 data stream in computer system, for multi-byte search e.g. for locating patterns in streaming data, scanning a real time stream of data to locate **start** **code** prefix in **MPEG2** data **stream** and streams using exact same **start** **code** paradigm and for real time streaming applications such as digital satellite broadcast e.g. DSS, DVB, primestar, dish network and also for digital video disk (DVD).

ADVANTAGE - Since references are made to incoming streaming data packets rather than copying the incoming data, memory copies are minimized. Minimizes computation by minimizing the amount of memory copying and number of allocations and deallocations of objects, and hence maximum performance is achieved. Makes CPU time available for implementing the features such as software picture within picture, visually powerful but CPU intensive sarnoff video effects, simultaneous viewing and recording, interactive web accessing, background electronic program guide (EPG) processing, HDTV video rendering and software motion compensation, easily. Minimizes complexity by use of separate threads having separate and specific duties.

DESCRIPTION OF DRAWING(S) - The figure shows the schematic block diagram of optimal handling and manipulation of high speed data stream.

pp; 122 DwgNo 3/10
Title Terms: MOVE; PICTURE; GROUP; DATA; STREAM; PROCESS; METHOD; COMPUTER; SYSTEM; MEMORY; REFERENCE; OBJECT; INSTEAD; MEMORY; COPY; MINIMISE; MEMORY; COPY; ALLOCATE; OBJECT
Derwent Class: W02; W04
International Patent Class (Main): **G06F-009/46** ; **G06F-013/14** ; G06K-009/36; H04N-007/12; H04N-007/26; H04N-007/62
International Patent Class (Additional): H04N-007/32; H04N-007/36; H04N-007/50; H04N-007/62
File Segment: EPI

24/5/9   (Item 9 from file: 350)
DIALOG(R)File 350:Derwent WPIX
(c) 2004 Thomson Derwent. All rts. reserv.

012611410   **Image available**
WPI Acc No: 1999-417514/199935
Related WPI Acc No: 2002-555980
XRPX Acc No: N99-311569
  Video signal decoding apparatus for data stream into series of images for
  video conferencing system
Patent Assignee: KWAN K W (KWAN-I); VOOIS P A (VOOI-I)
Inventor: KWAN K W; VOOIS P A
Number of Countries: 001 Number of Patents: 001
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
US 5910827	A	19990608	US 97806312	A	19970226	199935	B

Priority Applications (No Type Date): US 97806312 A 19970226
Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
US 5910827	A		14	G06F-011/00	

Abstract (Basic): US 5910827 A
     NOVELTY - A decoder (204) has a processor, which decodes data
  streams into number of sets of image data and identifies a corrupted
  data segment in current set of image data. The corrupted segment is
  replaced with a replacement data segment generated as function of
  previous sets of image data. The processor selectively stores current
  sets of image data in two frame buffers (206).
     DETAILED DESCRIPTION - An INDEPENDENT CLAIM is also included for
  artifact concealment method.
     USE - For video conferencing system.
     ADVANTAGE - Avoids missing of **start   code** by maintaining a
  running count of consecutive zeros in the data stream.
     DESCRIPTION OF DRAWING(S) - The figure shows the block diagram of
  the decoding apparatus.
     Decoder (204)
     Frame buffers (206)
     pp; 14 DwgNo 4/6
Title Terms: VIDEO; SIGNAL; DECODE; APPARATUS; DATA; STREAM; SERIES; IMAGE;
  VIDEO; SYSTEM
Derwent Class: T01; W01; W02; W04
International Patent Class (Main): **G06F-011/00**
International Patent Class (Additional): H04N-007/68
File Segment: EPI

24/5/10 **(Item 10 from file: 350)**
DIALOG(R)File 350:Derwent WPIX
(c) 2004 Thomson Derwent. All rts. reserv.

012508855 **Image available**
WPI Acc No: 1999-314960/199927
XRPX Acc No: N99-235415
System for continuously recording video signals, e.g. for security
Patent Assignee: FUJITSU LTD (FUIT)
Inventor: KOBAYASHI T
Number of Countries: 026 Number of Patents: 003
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
EP 917376	A2	19990519	EP 98302326	A	19980326	199927	B
JP 11150700	A	19990602	JP 97313012	A	19971114	199932	
US 6108728	A	20000822	US 9842845	A	19980317	200042	

Priority Applications (No Type Date): JP 97313012 A 19971114
Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
EP 917376	A2	E	44	H04N-009/804	

   Designated States (Regional): AL AT BE CH DE DK ES FI FR GB GR IE IT LI
   LT LU LV MC MK NL PT RO SE SI

| JP 11150700 | A | | 36 | H04N-005/765 | |
| US 6108728 | A | | | G06F-013/00 | |

Abstract (Basic): EP 917376 A2
     NOVELTY - In the inventive system, an analogue video signal from
e.g. camera 10 is converted into digital form by real-time encoder
(12). Video server (16), which outputs to plural storage devices
(18-1,18-2...18-n), inputs the digital video signals for real-time
storage in any of the devices. The stored signals may subsequently be
read out to reproducing terminal apparatus (20). The encoded input
signals are stored in transit by long-time record-processing unit (14)
which outputs into a selected device through the video server. Thus
continuous recording of the encoded digital data may be carried out,
without breaks while switching devices.
     USE - For unmanned monitoring of abnormal conditions, such as
collapse of environmental earth structures, for preventing natural
disasters, also for **security** monitoring purposes, etc.
     ADVANTAGE - By continuously recording high/low picture quality data
in parallel, the high quality may be read out for analysis if required,
but the low quality preserved as long-term record, enabling re-use of
the high quality recording medium, and avoiding drop-out gaps in
recorded material during switching changeovers.
     DESCRIPTION OF DRAWING(S) - The drawing shows a block diagram of
the inventive system.
     Input analogue signal camera (10)
     real-time encoder to e.g. **MPEG - 1** , MPEG-2 standard (12)
     long-time recording terminal apparatus (14)
     video server switching signals to recording devices (16)
     computer-controlled video output reproducing apparatus (20)
     system management control server (22)
     Asynchronous Transfer Network for data interconnection.
  (24,26,28,30)
     pp; 44 DwgNo 1/27
Title Terms: SYSTEM; CONTINUOUS; RECORD; VIDEO; SIGNAL; SECURE
Derwent Class: W02; W04
International Patent Class (Main): **G06F-013/00** ; H04N-005/765;
  H04N-009/804
International Patent Class (Additional): H04N-005/92; H04N-007/18;
  H04N-007/24
File Segment: EPI

DIALOG(R)File 350:Derwent WPIX

011776145   **Image available**
WPI Acc No: 1998-193055/199817
XRPX Acc No: N98-152833
   MPEG - 1 **data synchronisation method in** MPEG -2 **transport** stream -
   involves searching MPEG -2 **transport** stream **for packet** start   code
   prefix and storing data associated with PES into buffer, and examining
   PES packet header, if packet is video, to determine is PTS is present
Patent Assignee: STELLAR ONE CORP (STEL-N)
Inventor: DOKIC M V
Number of Countries: 001 Number of Patents: 001
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
US 5726989	A	19980310	US 95554146	A	19951106	199817	B

Priority Applications (No Type Date): US 95554146 A 19951106
Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
US 5726989	A		21	G06F-017/00	

Abstract (Basic): US 5726989 A
     The method involves searching an **MPEG** -2 transport **stream** for a
packet **start**   **code** prefix. If the PES packet is a video PES packet,
it is determined if a video PTS is present. The data associated with
the PES packet is stored into a buffer. If the PES packet is a video
PES packet that includes a video PTS in its header the video data in
the PES packet is examined during storage to locate the first
occurrence of a picture **start**   **code** .
     Upon locating the first occurrence of a picture **start**   **code** , a
flag is set indicating the correspondence between the video PTS and the
identified picture **start**   **code** , and the video data remaining in the
video PES packet is stored without further examination. Blocks of the
video data are transmitted from the buffer to the video decoder in
known lengths. Each block includes a flag indicative of whether the
identified video PTS corresponds to a picture **start**   **code** within
that block, if a picture **start**   **code** is present in that block. If
the PES packet does not include a video PTS in its header, blocks of
the video data are transmitted from the buffer to the video decoder in
known lengths.
     ADVANTAGE - Synchronises **MPEG - 1** data carried in **MPEG** -2
transport **stream** with respect to clock so they are properly decoded
by **MPEG - 1** decoder.
     Dwg.4/6
Title Terms: DATA; SYNCHRONISATION; METHOD; TRANSPORT; STREAM; SEARCH;
  TRANSPORT; STREAM; PACKET; START; CODE; PREFIX; STORAGE; DATA; ASSOCIATE;
  PES; BUFFER; PES; PACKET; HEADER; PACKET; VIDEO; DETERMINE; PRESENT
Derwent Class: T01; W02; W04
International Patent Class (Main): **G06F-017/00**
File Segment: EPI

DIALOG(R)File 350:Derwent WPIX
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011490824   **Image available**
WPI Acc No: 1997-468729/199743
XRPX Acc No: N97-391126
Image reproducing apparatus for MPEG standard system - has CPU which manages video encoder to start output of obtained and transformed signal when frame counter computed value corresponds to value determined in relation to sequence number of frame to be displayed
Patent Assignee: MATSUSHITA DENKI SANGYO KK (MATU)
Number of Countries: 001 Number of Patents: 001
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
JP 9219838	A	19970819	JP 9625659	A	19960213	199743	B

Priority Applications (No Type Date): JP 9625659 A 19960213
Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
JP 9219838	A		12	H04N-005/92	

Abstract (Basic): JP 9219838 A
     The apparatus has an input buffer (1) that temporarily stores an input **MPEG** image **stream** . An **MPEG** decoder (2) decodes the stored **MPEG** image **stream** , and outputs an obtained pixel data with a vertical synchronisation signal. A frame counter (3) counts the vertical synchronisation signal output by the decoder.
     A video encoder (4) transforms and outputs the decoded pixel data as an analogue video signal. When the counted value of the frame counter corresponds to a value determined in relation to the sequence number of a frame which should be displayed, a CPU (5) manages the video encoder to start outputting of the signal obtained and transformed.
     ADVANTAGE - Enables **starting** of **arbitrary** frame from displays of **MPEG** image **stream** . Enables display of still image by independently producing arbitrary frames. Generates still image with resolution of small flickering when movement of screen is large. Prevents image of stream, still stored in frame memory, from being displayed during image reproduction.
     Dwg.1/10
Title Terms: IMAGE; REPRODUCE; APPARATUS; STANDARD; SYSTEM; CPU; MANAGE; VIDEO; ENCODE; START; OUTPUT; OBTAIN; TRANSFORM; SIGNAL; FRAME; COUNTER; COMPUTATION; VALUE; CORRESPOND; VALUE; DETERMINE; RELATED; SEQUENCE; NUMBER; FRAME; DISPLAY
Index Terms/Additional Words: MOVING; PICTURE; EXPERT; GROUP; CENTRAL; PROCESSOR; UNIT
Derwent Class: W04
International Patent Class (Main): H04N-005/92
International Patent Class (Additional): H04N-005/937; H04N-007/24
File Segment: EPI

DIALOG(R)File 350:Derwent WPIX
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015875739   **Image available**
WPI Acc No: 2004-033570/200403
Related WPI Acc No: 2004-013668; 2004-111142
XRPX Acc No: N04-026663
   **Decoder for communication system, has engine that decodes bitstream
   modified by preprocessor, and smoothing buffer that provides bitstream to
   preprocessor to inverse anti-** start   code **emulation**
Patent Assignee: BROADCOM CORP (BROA-N); HSIUN V T (HSIU-I); MACINNIS A G
   (MACI-I)
Inventor: MACINNIS A; HSIUN V T; MACINNIS A G
Number of Countries: 032 Number of Patents: 002
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
US 20030219072	A1	20031127	US 2002380520	P	20020514	200403	B
			US 2002382267	P	20020520		
			US 2002273744	A	20021018		
EP 1365592	A2	20031126	EP 200311420	A	20030520	200403	

Priority Applications (No Type Date): US 2002273744 A 20021018; US
   2002380520 P 20020514; US 2002382267 P 20020520
Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
US 20030219072	A1		9	H04N-007/12	Provisional application US 2002380520

                              Provisional application US 2002382267
EP 1365592   A2 E 13 H04N-007/26
   Designated States (Regional): AL AT BE BG CH CY CZ DE DK EE ES FI FR GB
   GR HU IE IT LI LT LU LV MC MK NL PT RO SE SI SK TR

Abstract (Basic): US 20030219072 A1
     NOVELTY - The decoder has an input for receiving a bit stream
   excluding indications of starting point of each row. A preprocessor
   (525) modifies the bitstream and generates the indications. A
   decompression engine (535) decodes the modified bitstream. The
   bitstream of the compressed video data represents a picture and a
   smoothing buffer (520) provides the bitstream to the preprocessor to
   inverse anti- **start   code** emulation.
     DETAILED DESCRIPTION - An INDEPENDENT CLAIM is also included for a
   method of decoding a bitstream.
     USE - Used for decoding compressed video data in a communication
   system.
     ADVANTAGE - The bitstream is preprocessed prior to decompression,
   thereby facilitating multi-row decoding of compressed video data and
   decoding of entropy coded data. The anti- emulation process **inserts**
   data according to a specified algorithm, thereby preventing **video**
   elementary **stream** data from accidentally having strings of bits that
   match a start prefix code.
     DESCRIPTION OF DRAWING(S) - The drawing shows a block diagram of
   the decoder.
     Input data stream (142)
     System layer processor (510)
     Smoothing buffer (520)
     Pre-processor (525)
     Decompression engine (535)
     pp; 9 DwgNo 5/5
Title Terms: DECODE; COMMUNICATE; SYSTEM; ENGINE; DECODE; BITSTREAM;
  MODIFIED; SMOOTH; BUFFER; BITSTREAM; INVERSE; ANTI; START; CODE;
  EMULATION
Derwent Class: T01; W04
International Patent Class (Main): H04N-007/12; H04N-007/26
File Segment: EPI

015726250   **Image available**
WPI Acc No: 2003-788450/200374
XRPX Acc No: N03-631757
   Data recording device e.g. for video data, assigns **digital video frame
   sequence for continuous frames to record lengths of erased data along
   with frame numbers of** starting   frame **and number of frames on optical
   disk**
Patent Assignee: SONY CORP (SONY); HAMADA T (HAMA-I); KATO M (KATO-I)
Inventor: HAMADA T; KATO M
Number of Countries: 032 Number of Patents: 003
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
WO 200383868	A1	20031009	WO 2003JP3796	A	20030327	200374	B
AU 2003227249	A1	20031013	AU 2003227249	A	20030327	200435	
US 20040153948	A1	20040805	WO 2003JP3796	A	20030327	200452	
			US 2003479449	A	20031202		

Priority Applications (No Type Date): JP 2002100349 A 20020402
Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
WO 200383868	A1	J	75	G11B-027/034	

   Designated States (National): AU CA CN JP KR US
   Designated States (Regional): AT BE BG CH CY CZ DE DK EE ES FI FR GB GR
   HU IE IT LU MC NL PT RO SE SI SK TR

| AU 2003227249 A1 | | | | G11B-027/034 | Based on patent WO 200383868 |
| US 20040153948 A1 | | | | G11C-029/00 | |

Abstract (Basic): WO 200383868 A1
      NOVELTY - The device **assigns** a digital video frame (DVF) sequence
   for continuous frames, when audio- **video** (AV) **stream** file is edited.
   The data of the erased frame remains at head and end of the sequence.
   The lengths (lds0,lds1,tds0,tds1) of the erased data are recorded in an
   optical disk along with the frame numbers (ofn0,ofn1), of the **starting
   frame** and the number of the frames (nf0,nf1).
      DETAILED DESCRIPTION - INDEPENDENT CLAIMS are also included for the
   following:
      (1) data recording method;
      (2) data reproduction device;
      (3) data reproduction method;
      (4) information recording medium;
      (5) computer readable medium storing data recording/reproduction
   program; and
      (6) data recording/reproducing program.
      USE - For digital video recording/reproduction device for recording
   video data on an optical disk.
      ADVANTAGE - Accurately identifies a reproduction position when
   editing the data on the optical disk.
      DESCRIPTION OF DRAWING(S) - The figure shows the data frame
   sequence.
      lengths (lds0,lds1,tds0,tds1)
      number of frames (nf0,nf1)
      frame numbers (ofn0,ofn1)
      pp; 75 DwgNo 19/31
Title Terms: DATA; RECORD; DEVICE; VIDEO; DATA; **ASSIGN** ; DIGITAL; VIDEO;
   FRAME; SEQUENCE; CONTINUOUS; FRAME; RECORD; LENGTH; ERASE; DATA; FRAME;
   NUMBER; START; FRAME; NUMBER; FRAME; OPTICAL; DISC
Derwent Class: W04
International Patent Class (Main): G11B-027/034; G11C-029/00
International Patent Class (Additional): G11B-020/10; G11B-020/12;
   G11B-027/00; H04N-005/782; H04N-005/92
File Segment: EPI

DIALOG(R)File 350:Derwent WPIX

015214811   **Image available**
WPI Acc No: 2003-275348/200327
XRPX Acc No: N03-218596
   **Video and audio samples synchronizing system for multimedia distribution,
   assigns timestamp to each audio sample with respect to data structure,
   and renders with video data synchronously**
Patent Assignee: DIDERIKSEN T (DIDE-I); FELLER C (FELL-I); HARRIS G
   (HARR-I); NOVAK M J (NOVA-I); OLSON K J (OLSO-I)
Inventor: DIDERIKSEN T; FELLER C; HARRIS G; NOVAK M J; OLSON K J
Number of Countries: 001 Number of Patents: 001
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
US 20020172377	A1	20021121	US 2001817902	A	20010326	200327	B

Priority Applications (No Type Date): US 2001817902 A 20010326
Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
US 20020172377	A1		26	H03G-005/00	

Abstract (Basic): US 20020172377 A1
     NOVELTY - The audio samples output by respective audio sources are
  processed by a processor, by **assigning** timestamp to each sample for
  maintaining desired data structure. The processed samples are rendered
  and characterized with video data in synchronization with audio
  samples.
     DETAILED DESCRIPTION - INDEPENDENT CLAIMS are also included for the
  following:
       (1) **media   player** ;
       (2) audio sample processing system;
       (**3**) video data provision method; and
       (4) computer readable medium storing visual effect providing
  program.
     USE - For synchronizing video and audio samples in **media   player**
  (claimed) during distribution of multimedia content through Internet.
     ADVANTAGE - Enables presenting different media types to user in an
  integrated and organized manner, by performing unified rendering in
  same user interface area. Promotes user experience, by providing visual
  effects exactly relevant to audio.
     DESCRIPTION OF DRAWING(S) - The figure shows the block diagram of
  client computer.
       pp; 26 DwgNo **3** /15
Title Terms: VIDEO; AUDIO; SAMPLE; SYNCHRONISATION; SYSTEM; DISTRIBUTE;
   ASSIGN ; AUDIO; SAMPLE; RESPECT; DATA; STRUCTURE; RENDER; VIDEO; DATA;
   SYNCHRONOUS
Derwent Class: T01; W04
International Patent Class (Main): H03G-005/00
File Segment: EPI

014103520   **Image available**
WPI Acc No: 2001-587734/200166
  Method of synchronizing text data with mpeg -1 multimedia   stream **and**
  mpeg **-1 decoder**
Patent Assignee: KOREA ELECTRONICS & TELECOM RES INST (KOEL-N)
Inventor: CHUN Y S; KIM H N; SHIN G S
Number of Countries: 001 Number of Patents: 002
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
KR 2001037623	A	20010515	KR 9945259	A	19991019	200166	B
KR 336501	B	20020515	KR 9945259	A	19991019	200273	

Priority Applications (No Type Date): KR 9945259 A 19991019
Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
KR 2001037623	A		1	G11B-020/12	
KR 336501	B			G11B-020/12	Previous Publ. patent KR 2001037623

Abstract (Basic): KR 2001037623 A
     NOVELTY - A method of synchronizing text data with **MPEG** -1
  multimedia   stream and an **MPEG** -1 decoder are to multiplex text
  information in an **MPEG** -1 system **stream** in which audio and video are
  already synchronized, thereby economically and efficiently performing
  synchronizing operation of the text information.
     DETAILED DESCRIPTION - Text data are divided into each slide as a
  synchronization unit. A time stamp showing time when a corresponding
  slide has to be reproduced is provided at each slide. Each slide is
  encoded with a predetermined bit style (slide frame) to form a text bit
  row. A slide bit row of a text bit row is packetized. Each packet is
  inserted into a determined position of the MPEG-1 system bit row
  according to a reproducing hour time stamp of the slide included in the
  packet to generate an MPEG-1 system bit row synchronized with text
  information in a multiplexing process. The slide frame forming the text
  bit row includes slide **starting   code** , slide length, reproducing
  hour information, slide data and additional data field.
     pp; 1 DwgNo 1/10
Title Terms: METHOD; SYNCHRONISATION; TEXT; DATA; STREAM; DECODE
Derwent Class: T03
International Patent Class (Main): G11B-020/12
File Segment: EPI

```
         Set     Items    Description
         S1      209231   (STREAMS OR STREAMING? OR WEBCAST? OR STREAM OR STREAMED OR
                             WEB()(CAST OR CASTING) OR REALTIME? OR REAL()TIME OR CONTINU-
                             OUS? OR NONSTOP? OR NON()STOP)(2N)(VIDEO? OR MULTIMEDIA? OR M-
                             ULTI()MEDIA? OR MPG? OR MPEG?)
         S2       21048   MPEG1 OR MPG1 OR (MPEG OR MPG)()(ONE OR 1)
         S3      879130   ARBITRAR? OR RANDOM? OR PSEUDORANDOM? OR MIDSTREAM? OR MID-
                             ()STREAM?
         S4       14261   (END OR BEGIN? OR START?)(N)(CODE? OR SIGNAL? OR BIT OR FR-
                             AME?)
         S5     7730522   ASSIGN? OR INSERT? OR EMBED? OR INTEGRAT?
         S6       71036   MEDIAPLAYER? OR MEDIA()PLAYER? OR WINDOWS()MEDIA?
         S7           5   (S1 OR S2)(10N)S4
         S8           0   (S1 OR S2)(S)S3(S)S4(S)S5
         S9           0   S3(S)S4(S)S5(S)S6
         S10          0   S4(2N)S5(S)S6
         S11          2   RD S7 (unique items)
         S12          2   S11 NOT PD>20001117
         S13       5563   (S1 OR S2) AND S3
         S14         43   S13 AND S4
         S15         28   S14 AND S5
         S16         16   RD (unique items)
         S17         17   S12 OR S16
         S18         17   RD (unique items)
         S19         14   S18 NOT PY>2000
         S20         14   S19 NOT PD>20001117
```

File 275:Gale Group Computer DB(TM) 1983-2004/Aug 30
        (c) 2004 The Gale Group
File 47:Gale Group Magazine DB(TM) 1959-2004/Aug 30
        (c) 2004 The Gale group
File 75:TGG Management Contents(R) 86-2004/Aug W4
        (c) 2004 The Gale Group
File 636:Gale Group Newsletter DB(TM) 1987-2004/Aug 30
        (c) 2004 The Gale Group
File 16:Gale Group PROMT(R) 1990-2004/Aug 30
        (c) 2004 The Gale Group
File 624:McGraw-Hill Publications 1985-2004/Aug 27
        (c) 2004 McGraw-Hill Co. Inc
File 484:Periodical Abs Plustext 1986-2004/Aug W3
        (c) 2004 ProQuest
File 613:PR Newswire 1999-2004/Aug 30
        (c) 2004 PR Newswire Association Inc
File 813:PR Newswire 1987-1999/Apr 30
        (c) 1999 PR Newswire Association Inc
File 141:Readers Guide 1983-2004/Jul
        (c) 2004 The HW Wilson Co
File 370:Science 1996-1999/Jul W3
        (c) 1999 AAAS
File 696:DIALOG Telecom. Newsletters 1995-2004/Aug 28
        (c) 2004 The Dialog Corp.
File 553:Wilson Bus. Abs. FullText 1982-2004/Jul
        (c) 2004 The HW Wilson Co
File 621:Gale Group New Prod.Annou.(R) 1985-2004/Aug 30
        (c) 2004 The Gale Group
File 674:Computer News Fulltext 1989-2004/Aug W3
        (c) 2004 IDG Communications
File 88:Gale Group Business A.R.T.S. 1976-2004/Aug 27
        (c) 2004 The Gale Group
File 369:New Scientist 1994-2004/Aug W3
        (c) 2004 Reed Business Information Ltd.
File 160:Gale Group PROMT(R) 1972-1989
        (c) 1999 The Gale Group
File 635:Business Dateline(R) 1985-2004/Aug 28
        (c) 2004 ProQuest Info&Learning
File 15:ABI/Inform(R) 1971-2004/Aug 30
        (c) 2004 ProQuest Info&Learning
File   9:Business & Industry(R) Jul/1994-2004/Aug 27
        (c) 2004 The Gale Group

08867116   SUPPLIER NUMBER: 18419535
**MPEG mysteries: a close-up on high-end service bureaus.(Motion Picture
  Experts Group, includes related articles)**
Ozer, Jan
CD-ROM Professional, v9, n7, p30(15)
July, 1996
ISSN: 1049-0833   LANGUAGE: English   RECORD TYPE: Fulltext; Abstract
WORD COUNT: 8973   LINE COUNT: 00717

...   rates. The output was compared with video compressed with the
$70,000 Sony RTE-3000A **Real** Time **MPEG - 1** Encoder system, and C-Cube's
Jupiter **MPEG - 1** / MPEG-2 experimental system, another real-time encoder
that originally cost $150,000. A comprehensive...

...parameters, and yes, video quality. There was also a heck of a lot
learned about **MPEG - 1** compression.
     The line items in the features table present a snapshot of an
industry, but...

...were used to distinguish the respective capabilities of the reviewed
systems.
     By way of background, **MPEG - 1** encoding is essentially a three-step
process. The first step, capture, converts the information acquired...

...video is filtered and otherwise prepared to maximize compression
efficiency and quality. Compression to the **MPEG - 1** format sequence is
the final stage.
     Rate Structure
     Several service bureaus provide two service levels...not available
from all providers.
     Capture, Part A: The Objective Data
     In the high-end **MPEG - 1** market, there are two kinds of capture
systems: those that work with Serial Digital Input...

...contrast, traditional video capture cards digitize by isolating each
pixel in a video frame and **assigning** a YUV value to that pixel, which is
less accurate than a direct digital conversion...

...comparative screen shots since all the video examined :had been
preprocessed and compressed to final **MPEG - 1** format.
     Capture, Part B: The Subjective
     The first step in all video editing or acquisition...
...color balance was assessed by looking at all 12 test clips, with a
textual score **assigned** --like too dark or too bright--rather than a
numerical score.
     The second strategy for...

...anti-aliasing filters remove the ill effects from scaling down from 720
x 480 to **MPEG - 1** 's 352 x 240 resolution, commonly seen as the jaggies in
diagonal lines.
     Filtering can...prerequisite for MPEG compression, a process called
telecining converts from 24 frames to 60 fields.
     MPEG - 1 is frame-based, not field-based, and a special process
called inverse telecining, or 3...

...material--since this interrupts the telecining pattern. Failure to
identify the correct pattern will duplicate **MPEG - 1** frames, creating
jerky video.
     All service bureaus claim to perform inverse telecining before
compression, but...

...reference for all subsequent frames in the GOP and also as an entry
point for **random** access into the MPEG file. For these reasons, only

intraframe compression is applied to I...artifact, illustrates why I frame placement, automatic or otherwise, is an important quality consideration in **MPEG - 1** compression.

No system can avoid artifacts all the time; artifacts are simply a fact of...

...of any special situations. Denon accepts raw Serial Digital Input in NTSC format only, delivering **MPEG - 1 ,** **MPEG - 1** .5, and MPEG-2 compressed video.

INPUT/CAPTURE QUALITY

As mentioned above, Denon most closely...Heuris can support Betacam, D2, D3, 3/4" and SVHS input formats, and outputs in **MPEG - 1 ,** **MPEG - 1** .5, and MPEG-2 formats.

FIDELITY/COLOR

Heuris' subjective input was simply too dark to...

...operator-optimized" system. The capture system accepts D-1 and Digital Betacam and outputs in **MPEG - 1** but not MPEG-2 format.

INPUT/CAPTURE QUALITY

For the most part, GTE's video...then counted frames until video quality was restored.

General Measures: Studio and Action Quality, Text **Insertion**

To test for studio and action quality, we first stepped through each video frame by...

...up were also visible at 30fps.

In the test video used to test for text **insertion** qualities, the clip had text slowly fading into the sequence. After the text was fully...

...was configured with Direct Video but not ActiveMovies, Microsoft's recently released Window's 95 **MPEG - 1** playback API.

We tested in both 24-bit mode and 16-bit mode. Because the...

...The Jupiter system is a reference design sold by C-Cube to licensees of their **MPEG - 1** and MPEG-2 chipsets. Built around a Sun SPARC station, the Jupiter system includes a video I/O board capable of SDIinput, audio and vidoe **MPEG - 1** encoder boards, and on **MPEG - 1** decoder. We tested a system used by IBM's Atlanta-based service bureau to perform low-cost, **real** -time **MPEG - 1** and MPEG-2 encoding.

Key Tool: Mediamatics Player

None of the software MPEG players are...

...converts BMP and AVI files to MPEG format and provides the ability to multiplex separate **MPEG - 1** audio and video files into one **MPEG - 1** system **stream** and to de-multiplex an **MPEG - 1** system into separate **MPEG - 1** audio and **video** **streams** . **MPEG** Album, which catalogs and displays **MPEG - 1** files, and MPEG Editor (a bundled tool from VITEX Multimedia), which enables the concatenation of multiple **MPEG - 1** files into one long file with simple special effects, are also included ...I supplied them with all the content on Beta SP tape, a list of SMPTE **code start** and top points, and copies of the AVI versions of the videos on CD-ROM...

...a range of additional formats from 1-inch to Hi-8. IBM supports output in **MPEG - 1 ,** **MPEG - 1** .5, and MPEG-2 formats.

IBM came close, but ...mixed in general quality tests. A slight pulsing was noticeable when playing back talking-head **video** in **real -time** , and high-action sequences exhibited some blockiness and occasional artifacts. In text-over-water tests...

...Beta and D-1 in NTSC, and PAL D-1. Output is currently limited to **MPEG - 1 ,** but the company soon plans to offer both **MPEG - 1** .5, and MPEG-2. In testing, LaserPacific's capture adeptly walked a fine line of...encoder inputs are Digital Betacam, D-1, and D-2 captured raw, and output in **MPEG - 1 ,** **MPEG - 1** .5, and MPEG-2 formats.

On the whole, PVR's tested performance proved decidedly bi...

07566738   SUPPLIER NUMBER: 16391850   (USE FORMAT 7 OR 9 FOR FULL TEXT)
MPEG silicon puts quality video on PCs. (Motion Picture Experts Group video compression standard, personal computers)(includes related article)
Bursky, Dave
Electronic Design, v42, n21, p51(8)
Oct 14, 1994
ISSN: 0013-4872   LANGUAGE: ENGLISH   RECORD TYPE: FULLTEXT; ABSTRACT
WORD COUNT: 4193   LINE COUNT: 00324

...   into desktop and portable computer systems. In fact, circuits that directly support the JPEG and **MPEG - 1** motion-video standards are already available from various sources. Moreover, chips implementing the higher-performance...

...being sampled or will be sampled early next year by a number of companies.
      Although **MPEG - 1** decoding can be done in software on most high-end microprocessors, such as the Pentium...

...in real time still requires significant hardware support. A software-only implementation, as possible for **MPEG - 1** , often requires that the frame rate be limited to 15 frames/s or less, or...

...graphical-user-interface (GUI) accelerators. Even the first RISC microprocessors to incorporate hardware support for **MPEG - 1** multimedia decoding have been developed. These include the latest version of the PA-RISC from...

...to be used either on add-in cards or put onto system motherboards. Chips for **MPEG - 1** already are being offered by AT&T Microelectronics, SGS-Thomson Microelectronics, Zoran, and several others...

...to resize the video windows, are available from Genesis Microsystems, Philips Semiconductors, and others. Even **MPEG - 1** cores for ASIC designs have made it possible to craft totally customized solutions to lower...

...motion video. These chips join the ranks of MPEG providers such as AT&T Microelectronics, **Integrated** Information Technology, LSI Logic, SGS-Thomson, Zoran, and others, which have had early **MPEG - 1** - and MPEG-2-compatible products available since late last year. And that roster continues to...

...of video-delivery systems, both the STI4500A MPEG-2 chip and the previously released STI3500 **MPEG - 1** decoder have found homes in systems from Thomson's Consumer Electronics Div., Bell Atlantic, Compression...

...The MPEG-2 chip also requires minimal support to process the upper layers of the **MPEG** bit- **stream** syntax. It includes a **start - code** detector as well as registers that allow the tracking of time stamps. User-defined bit...

...chip supports the MPEG-2 pan-scan capability and has automatic 3/2 pulldown for **MPEG - 1** support and variable 3/2 pulldown for MPEG-2 support.
      Operating at an internal clock...to the display interface. Internally, the chip is organized as a process pipeline that implements **MPEG - 1** and MPEG-2 decoding algorithms. An internal RISC CPU schedules the operations of each internal...

...vectors of full- or half-pel accuracy; as well as interlaced and non-interlaced input- **video**   **streams** . And, like SGS-Thomson's STI3500A, the output filtering and display control section includes programmable...

...allowing it to work with various data formats. Furthermore, like the STI3500A, it has an **embedded** on-screen display function.
Fabricated in 0.5-[[micro]meter] CMOS and operating from a...

...monitoring of system functions. The chip delivers studio-quality MPEG-2 decoding and can perform **MPEG - 1** decoding. Set-top-box support includes channel switching, virtual channels, closed captioning, VCR anticopy schemes...

...than force designers to add separate components to implement a separate audio channel, designers of **MPEG - 1** subsystems now can get a single-chip solution, the C-Cube CL480. This just-released chip simplifies **MPEG - 1** systems by **integrating** the audio decoding onto the same chip as the **MPEG - 1** video decoder--an industry first. The IC has a proprietary 24-bit RISC engine that...

...to be added to systems for under $50 in additional components.
The high level of **integration** in the CL480 eliminates the need for a separate microprocessor to demultiplex a system-level **MPEG** bit **stream** and synchronize the audio and video. As a result, both video subsystem cost and development...eliminates another chip typically used in CD digital audio players. Consequently, a full CD-based **MPEG - 1** audio and video subsystem would need just three chips in addition to the CL480: a...
...scheme to bring the image up to full-screen displays.
Like the CL480, designers at **Integrated** Information Technology (IIT) have **integrated** all of the **MPEG - 1** functionality for video and audio decoding onto one chip...

...processor (MPP). When combined with memory and digital-to-analog converters, it provides a highly **integrated** solution for add-in cards or for use on system motherboards. The chip offers video playback at SIF resolution and two channels of **MPEG - 1** layer-1 or layer-2 audio. On-chip multitap filters provide **arbitrary** video scaling, video standards conversion, and post processing.
Furthermore, on-chip interlacing filters eliminate the...

...it does for MPEG-2 what the CL480 from C-Cube does for **MPG - 1** . The chip is fully compliant with the main profile/main level of the ISO DIS13818...

...top for GUI accelerators, the chip includes a multimedia port that allows users to feed **video** **streams** right to a display subsystem.
Special features in the OTI64107 include a video-masking capability... connector support for 16-bit motion video. Driver software available with the chip will support **MPEG - 1** , Cinepak, and Indeo decoding. Future plans call for two additional chips--one for full multimedia...

...support live video overlays through a feature-connector port to enhance standard digital video and **MPEG - 1** files.
One chip in the MVA family, the CL-GD5440, incorporates a CD Zoom feature...

...up to 10 (70 to 21 kbytes, respectively), depending on the image that's encoded.
MPEG - 1 encoding is more complex than JPEG encoding because it uses differential prediction and exploits temporal...

...difference signal that helps reduce the amount of image data that must be stored.) Any **MPEG - 1** encoder also must have a decoder circuit built-in. When playback-only functionality TABULAR DATA...

...finalized by the standards organization in November of last year, provides better scalability, error resilience, **random** access to the data, and real-time aspect-ratio changes. Either progressive or interlaced scanning can be handled by MPEG-2, while **MPEG - 1** is limited only to progressive scanning. Furthermore, the MPEG-2 standard allows for real-time image transmission and full 780-by-480-pixel CCIR 601 images, while **MPEG - 1** typically used CD-ROM-based storage for the image files and produces a

...rates can exceed 10 Mbits/s and data streams use discretely framed packets. In contrast, **MPEG - 1** systems hit a peak data rate of just 1.864 Mbits/s and employ a...

```
S1        164   AU=(METZGER R? OR METZGER, R?)
S2         99   AU=(MONROE, D? OR MONROE D?)
S3          2   S1 AND S2
S4          0   (S1 OR S2) AND (WEBCAST? OR WEB()(CAST OR CASTING OR CASTS)
                OR MULTICAST? OR STREAMING OR STREAM OR STREAMS OR STREAMED)-
                (N)(VIDEO? ? OR MULTIMEDIA? OR MULTI()MEDIA? OR AUDIO? OR MUS-
                IC? OR RADIO? ?)
S5          3   (S1 OR S2) AND IC=G06F-015/173
S6          8   (S1 OR S2) AND IC=G06F-015?
S7         29   (S1 OR S2) AND (VIDEO? OR MULTIMEDIA? OR REALPLAYER? OR MP-
                EG? OR MPG? OR MULTI()MEDIA? OR AUDIO? OR MUSIC?)
S8          6   S7 AND IC=(G06F? OR H04L?)
S9         13   S3 OR S5 OR S6 OR S8
S10        13   IDPAT (sorted in duplicate/non-duplicate order)
S11        12   IDPAT (primary/non-duplicate records only)
File 347:JAPIO Nov 1976-2004/Apr(Updated 040802)
        (c) 2004 JPO & JAPIO
File 348:EUROPEAN PATENTS 1978-2004/Aug W03
        (c) 2004 European Patent Office
File 349:PCT FULLTEXT 1979-2002/UB=20040826,UT=20040819
        (c) 2004 WIPO/Univentio
File 350:Derwent WPIX 1963-2004/UD,UM &UP=200455
        (c) 2004  Thomson Derwent
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Inventor
Search
Patent

016188776   **Image available**
WPI Acc No: 2004-346662/200432
XRPX Acc No: N04-277294
   File sending method for variable resolution video , involves defining
   files for selected raw data for transmitting files through specific
   network selected based on level of resolution
Patent Assignee: METZGER R R (METZ-I); MONROE D A (MONR-I)
Inventor: **METZGER R R ; MONROE D A**
Number of Countries: 001 Number of Patents: 001
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
US 20040068583	A1	20040408	US 2002266813	A	20021008	200432	B

Priority Applications (No Type Date): US 2002266813 A 20021008
Patent Details:

Patent No	Kind Lan Pg	Main IPC	Filing Notes
US 20040068583 A1	45	G06F-015/16	

Abstract (Basic): US 20040068583 A1
      NOVELTY - Files are defined for selected raw data. Specific network
   is selected to transmit files, based on level of resolution. Data is
   transmitted through selected network after converting data to selected
   resolution.
      USE - For variable resolution **videos** and high resolution still
   images.
      ADVANTAGE - Remote cameras or remote monitors can operate over low
   bit rate communication channels.
      DESCRIPTION OF DRAWING(S) - The figure illustrates the flowchart
   for steps involved in file sending method.
      pp; 45 DwgNo 4/29
Title Terms: FILE; SEND; METHOD; VARIABLE; RESOLUTION; **VIDEO** ; DEFINE;
   FILE; SELECT; RAW; DATA; TRANSMIT; FILE; THROUGH; SPECIFIC; NETWORK;
   SELECT; BASED; LEVEL; RESOLUTION
Derwent Class: W01; W02; W04
International Patent Class (Main): **G06F-015/16**
File Segment: EPI

DIALOG(R)File 350:Derwent WPIX
(c) 2004 Thomson Derwent. All rts. reserv.

015159626   **Image available**
WPI Acc No: 2003-220154/200321
XRPX Acc No: N03-175581
  **Surveillance system for public facility, has portable monitoring station
  with receiver which receives signals collected by remote cameras through
  wireless transmission system**
Patent Assignee: METZGER R (METZ-I); MONROE D A (MONR-I)
Inventor: **METZGER R** ; **MONROE D A**
Number of Countries: 001 Number of Patents: 001
Patent Family:
Patent No   Kind   Date   Applicat No   Kind   Date   Week
US 20020170064 A1   20021114   US 2001854033   A   20010511 200321 B

Priority Applications (No Type Date): US 2001854033 A 20010511
Patent Details:
Patent No   Kind Lan Pg   Main IPC   Filing Notes
US 20020170064 A1   13 H04N-007/173

Abstract (Basic): US 20020170064 A1
        NOVELTY - The hubs (34A-34N) receive the signals representing
    images from the remote cameras (30A-30N). A portable monitoring station
    (33) having a receiver receives the signal transmitted by a transmitter
    associated with the hub through a wireless transmission system.
        USE - For providing security to public facilities such as schools,
    banks, airports, arenas.
        ADVANTAGE - Enhanced digitized security system is achieved which
    provides wireless, portable mounting and control capability.
        DESCRIPTION OF DRAWING(S) - The figure shows the block diagram of
    the surveillance system.
        Portable monitoring station (33)
        Remote cameras (30A-30N)
        Hubs (34A-34N)
        pp; 13 DwgNo 1/4
Title Terms: SURVEILLANCE; SYSTEM; PUBLIC; FACILITY; PORTABLE; MONITOR;
  STATION; RECEIVE; RECEIVE; SIGNAL; COLLECT; REMOTE; CAMERA; THROUGH;
  WIRELESS; TRANSMISSION; SYSTEM
Derwent Class: T01; W01; W02; W06
International Patent Class (Main): H04N-007/173
File Segment: EPI

012932816   **Image available**
WPI Acc No: 2000-104663/200009
XRPX Acc No: N00-080327
    Video **conferencing switching control system for business network**
Patent Assignee: ALBERT B (ALBE-I); DEBACKER R (DEBA-I); MCDOUGALL F
    (MCDO-I); METZGER R (METZ-I); OERKFITZ M (OERK-I)
Inventor: ALBERT B; DEBACKER R; MCDOUGALL F; **METZGER R** ; OERKFITZ M
Number of Countries: 001 Number of Patents: 001
Patent Family:
Patent No   Kind Date   Applicat No   Kind   Date   Week
US 5999966   A   19991207 US 97958253   A   19971007 200009 B

Priority Applications (No Type Date): US 97958253 A 19971007
Patent Details:
Patent No Kind Lan Pg   Main IPC   Filing Notes
US 5999966   A   70 G06F-013/00

Abstract (Basic): US 5999966 A
    NOVELTY - The CODECs (301-30n) have digital port and analog port
for responding CODEC conference messages. A modem (42) accepts user
control signals from control network (20) and desktop machine to
generate adaptor conference messages and CODEC conference messages in
accordance with user control signal to establish and direct **video**
conference on the conference network.
    DETAILED DESCRIPTION - The network conveys digital format **audio**
and **video** data between digital and analog ports of CODECs. The
crosspoint adaptor (32) communicates CODECs through **audio** and analog
video pathways. The adaptor has summer circuit for mixing **audio**
signals, VOX detection circuitry for generating VOX detection selection
signal corresponding to **audio** signal of adaptor, microprocessor to
control the adaptor, multiport **video** crosspoint switch to convey
signals present on selected analog **video** signal pathways to several
CODECs according to **audio** protocol and configuration signal. An
INDEPENDENT CLAIM is also included for **video** conferencing switching
control method.
    USE - For controlling **video** switching of business conference
network.
    ADVANTAGE - As the **video** conferencing is performed by control
network which is separate from conference network, participants having
dissimilar hardware can join in **video** conference, thus straight
forward and efficient system can be provided.
    DESCRIPTION OF DRAWING(S) - The figure shows the **video**
conferencing switching control system.
    Control network (20)
    CODECs (301-30n)
    Crosspoint adaptor (32)
    Modem (42)
    pp; 70 DwgNo 2/45
Title Terms: **VIDEO** ; SWITCH; CONTROL; SYSTEM; BUSINESS; NETWORK
Derwent Class: T01; W02; W04
International Patent Class (Main): **G06F-013/00**
File Segment: EPI

DIALOG(R)File 350:Derwent WPIX
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012662793   **Image available**
WPI Acc No: 1999-468898/199939
XRPX Acc No: N99-350145
   **Capturing, compressing and transmitting apparatus of visual image signal
   via digital transmission system in format and protocol capable of
   transmission over readily available transmission system to standard
   receiving station**
Patent Assignee: MONROE D (MONR-I); MONROE D A (MONR-I)
Inventor: **MONROE D A ; MONROE D**
Number of Countries: 064 Number of Patents: 005
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
WO 9935818	A2	19990715	WO 99US664	A	19990112	199939	B
AU 9922239	A	19990726	AU 9922239	A	19990112	199952	
EP 1062801	A2	20001227	EP 99902202	A	19990112	200102	
			WO 99US664	A	19990112		
US 20020109863	A1	20020815	US 986073	A	19980112	200256	
			US 2002790381	A	20020411		
US 20040001214	A1	20040101	US 986073	A	19980112	200402	
			US 2003336470	A	20030103		

Priority Applications (No Type Date): US 986073 A 19980112; US 2002790381 A
   20020411; US 2003336470 A 20030103
Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
WO 9935818	A2	E	129	H04N-000/00	

   Designated States (National): AL AU BA BB BG BR CA CN CU CZ EE GE GM HR
   HU ID IL IN IS JP KP KR LC LK LR LV MG MK MN MX NO NZ PL RO SG SI SK SL
   TR TT UA UZ VN YU
   Designated States (Regional): AT BE CH CY DE DK ES FI FR GB GR IE IT LU
   MC NL PT SE

AU 9922239	A			H04N-000/00	Based on patent WO 9935818
EP 1062801	A2	E		H04N-001/00	Based on patent WO 9935818

   Designated States (Regional): AT BE CH DE DK ES FI FR GB IT LI LU NL SE

US 20020109863	A1			H04N-001/00	Div ex application US 986073
US 20040001214	A1			G06F-003/05	Div ex application US 986073

Abstract (Basic): WO 9935818 A2
       NOVELTY - A standard analog or digital camera (10) captures an
   image and the camera may be activated by a movement detector in a
   surveillance installation. The captured image is formatted from a
   binary bit map (20) for transmission via a group-III facsimile system
   and is encoded and compressed in a network (24), before passing to a
   group-III protocol transmission device (28). The output is transmitted
   to a receiving system (34) comprising a group-III receiver (36), a
   decoder and decompressor (38) and a binary bit map (40), generating a
   facsimile hard copy (42)
       DETAILED DESCRIPTION - Independent claims are included for a method
   of capturing and converting analog image signal into digital signal,
   for a digital image recording retrieval sampling method and for a
   portable hand-held image processing system
       USE - Image capture, compression and transmission in connection
   with land-line and wireless telephone systems
       ADVANTAGE - Maximum flexibility with camera/converter/telephone or
   other device designed to modular configuration
       DESCRIPTION OF DRAWING(S) - The drawing is a block diagram of basic
   facsimile camera configured to transmit image to standard hard copy
   medium
       Digital camera (10)
       Binary bit map (20)
       Encoding-compressing network (24)
       Group-III protocol transmission device (28)
       Receiving system (34)
       Receiver (36)
       Binary bit map (40)

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        Hard copy (42)
        pp; 129 DwgNo 1/9
Title Terms: CAPTURE; COMPRESS; TRANSMIT; APPARATUS; VISUAL; IMAGE; SIGNAL;
  DIGITAL; TRANSMISSION; SYSTEM; FORMAT; PROTOCOL; CAPABLE; TRANSMISSION;
  READY; AVAILABLE; TRANSMISSION; SYSTEM; STANDARD; RECEIVE; STATION
Derwent Class: W01; W02; W04
International Patent Class (Main): G06F-003/05; H04N-000/00; H04N-001/00
International Patent Class (Additional): G06F-013/00;  **G06F-015/00**
File Segment: EPI
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00788697   **Image available**
DUAL PORT WIRELESS MODEM FOR CIRCUIT SWITCHED AND PACKET SWITCHED DATA
    TRANSFER
MODEM RADIO BI-PORT POUR TRANSFERT DE DONNEES EN COMMUTATION DE CIRCUIT ET
    EN COMMUTATION DE PAQUITS
Patent Applicant/Assignee:
  XIRCOM INC, 2300 Corporate Center Drive, Thousand Oaks, CA 91320-1420, US
    , US (Residence), US (Nationality)
Inventor(s):
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Patent and Priority Information (Country, Number, Date):
  Patent: WO 200122193 A2-A3 20010329 (WO 0122193)
  Application: WO 2000US25682 20000920 (PCT/WO US0025682)
  Priority Application: US 99400623 19990920; US 99444020 19991119; US
    99444044 19991119; US 2000524767 20000314
Designated States:
(Protection type is "patent" unless otherwise stated - for applications
prior to 2004)
  AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CR CU CZ DE DK DM DZ EE
  ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT
  LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM
  TR TT TZ UA UG UZ VN YU ZA ZW
  (EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE
  (OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG
  (AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW
  (EA) AM AZ BY KG KZ MD RU TJ TM
Main International Patent Class: G06F-009/44
International Patent Class: G06F-013/10 ; G06F-013/12
Publication Language: English
Filing Language: English
Fulltext Availability:
  Detailed Description
  Claims
Fulltext Word Count: 3653

English Abstract
  A dual port external wireless modem is disclosed. According to one
  embodiment, the external wireless modem receives command and control
  information over a primary serial port (324), and real-time data over a
  secondary serial port (328). The primary serial port is further
  configured to receive packet switched data, such as short message service
  messages, while the secondary serial port is configured to receive
  circuit switched data. An RF transceiver (316) in the wireless modem
  modulates data and control received over the respective serial ports,
  preferably using a GSM protocol stack. According to an embodiment, the
  circuit switched and packet switched data received at the wireless modem
  can be simultaneously transmitted by the RF transceiver without
  interrupting the circuit switched data transfer, thereby avoiding a
  context switch and a loss of throughput.

French Abstract
  La presente invention concerne un modem radio bi-port externe. Selon une
  realisation, ce modem radio externe recoit des informations de commande
  et de gestion via un port serie primaire, et les donnees temps reel via
  un port serie secondaire. Ce port serie primaire est par ailleurs
  configure de facon a recevoir des donnees de commutation de paquets tels
  que des messages SMS, alors que le port serie secondaire est configure de
  facon a recevoir des donnees de commutation de circuit. Un

emetteur-recepteur HF equipant le modem radio module les donnees et
commandes recues via les ports serie respectifs, de preference en
utilisant une pile de protocole GSM. Selon un mode de realisation, les
donnees de commutation de circuit et de commutation de paquets recues au
niveau du modem radio sont susceptibles d'emission simultanee par
l'emetteur recepteur HF sans interruption du transfert de donnees par
commutation de paquets, ce qui evite un basculement de contextes et une
perte de debit.

Legal Status (Type, Date, Text)
Publication   20010329 A2 Without international search report and to be
                          republished upon receipt of that report.
Search Rpt   20010809 Late publication of international search report
Republication 20010809 A3 With international search report.
Examination   20010809 Request for preliminary examination prior to end of
                          19th month from priority date

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Set      Items    Description
S1        1127    AU=(METZGER R? OR METZGER, R?)
S2         440    AU=(MONROE, D? OR MONROE D?)
S3           0    S1 AND S2
S4           0    (S1 OR S2) AND (WEBCAST? OR WEB()(CAST OR CASTING OR CASTS)
                  OR MULTICAST? OR STREAMING OR STREAM OR STREAMS OR STREAMED)-
                  (N)(VIDEO? ? OR MULTIMEDIA? OR MULTI()MEDIA? OR AUDIO? OR MUS-
                  IC? OR RADIO? ?)
S5          18    (S1 OR S2) AND (VIDEO? OR MULTIMEDIA? OR REALPLAYER? OR MP-
                  EG? OR MPG? OR MULTI()MEDIA? OR AUDIO? OR MUSIC?)
S6          18    RD (unique items)
S7          12    S6 NOT PY>2000
File     2:INSPEC 1969-2004/Aug W4
            (c) 2004 Institution of Electrical Engineers
File     6:NTIS 1964-2004/Aug W4
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            (c) 2004 Elsevier Eng.  Info. Inc.
File    34:SciSearch(R) Cited Ref Sci 1990-2004/Aug W4
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File    94:JICST-EPlus 1985-2004/Aug W1
            (c)2004 Japan Science and Tech Corp(JST)
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            (c)2004 The Gale Group
File   636:Gale Group Newsletter DB(TM) 1987-2004/Aug 30
            (c) 2004 The Gale Group
File   275:Gale Group Computer DB(TM) 1983-2004/Aug 30
            (c) 2004 The Gale Group
File   674:Computer News Fulltext 1989-2004/Aug W3
            (c) 2004 IDG Communications
File   647:CMP  Computer Fulltext 1988-2004/Aug W3
            (c) 2004 CMP Media, LLC
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Inventor
Search

NPL